

FLT ID: 020924N

FM: KMCF

TO: KMCF

FLT NO: 01-092

BLK IN: 0144Z

ATA: 0136Z

ETD: 8.2

BLK OUT: 1716Z

ATD: 1729Z

ETE: 1730Z

BLK TIME: 8:28(8.5)

FLT TIME: 8:07(8.1)

SPONSOR ORG: NITE

PROGRAM: Surveillance

PURPOSE: TS (S. 10.00)

DAO PERSONNEL

AC Fink ✓

SYS ENG

CP Poston / Finn ✓

DATA SYS

NAV

~~RADAR~~

FE ~~Kelton~~

BT/ODW

RADIO

CLD PHYS

FD Parrish ✓

DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME

ACTIVITY ON A/C

AFFILIATION

White, S. ✓

HAPS

LOC

Goldenberg, S. ✓

HAPS

HRO

47

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

NOAA 2810A 15.0000 TEAL 51-20-16 00Z

16532 1747Z 22.10 89.75W 987mb

150/8 1933Z 22.17 89.43

10 2107Z 22.31N 89.49W 986mb

26.90T

29/24

29.95

30.3/23.8

1012.5

59

H.D. Flight 26 Drops 1st lost and early, 2nd lost
layer of wind

Flight ID: 020924N T.S. Isidore Surveillance

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U.S. Dept. of Commerce/NOAA/Aircraft Operations Center

Form 413

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _e	T _a	Press. Alt.	Geo. Alt.	Stc Press.	Press. Stc	Dyn. Press	Remarks
1716	27 50.8	82 29.6					30	24	-4.5			1013.5	0.4	316 Out
1730	27 52	82 29	70	72	132	6	25	22	477	511		953	73	↑
1751	26 23	83 57	215	212	162	8.7	-24	-28	8690	9240		316	148	↑
180402	25 04	84 47	137	204	204	21.6	-49	-44	11814	12528		194	92	Drop 1 ^{lost wind} east 6
182414	23 14	83 08	~	~	303	8.5	-57	-55	13190	12468		175	89	Drop 2 ^{lost wind} 5120 8000 only
184134	22 15	85 02	214	212	199	14	-59	-56	12761	13487		167	86	Drop 3
190023	20 03	85 02	~	~	220	4	-59	-56	12760	13489		167.6	86	Drop 4
191736	19 10	86 56	~	~	214	6.8	-59	-59	12767	13507		167.5	82	Drop 5
193512	21 16	86 30	345	341	277	8.6	-58	-60	12760	13498		167.7	85	Drop 6
194926	22 57	87 03	~	~	230	12	-60	-61	12760	13722		160.7	80	Drop 7
200216	23 05	88 38	~	~	163	9.7	-60.4	-62.3	13049	13778		159.9	80.7	Drop 8
201852	24 58	87 38	~	~	209	10.7	-61	-64	13045	13779		159.8	80.2	Drop 9
203304	25 00	89 30	270	268	142	4.9	-61.5	-66.0	13044	13771		159.9	80.2	Drop 10
204808	25 00	91 30	271	269	270	3.5	-61.6	-66.7	13044	13769		159.9	80.9	Drop 11
210307	24 57	93 28	~	~	270	10	-61.4	-66.6	13045	13761		159.9	79.4	Drop 12
211640	23 27	94 00	197	197	214	8	-64	-67	13328	14067		152.3	75.4	Drop 13
213011	21 57	94 29	~	~	144	10	-66.7	-70	13612	14364		145	70.7	Drop 14
215236	19 37	93 12	~	~	22	5.2	-67	-60	13613	14376		145.2	70.8	Drop 15
220740	19 03	91 26	~	~	358	11	-67	-61	13609	14370		145.2	71.3	Drop 16
224040	19 03	95 30	~	~	70	11.3	-67	-66	13611	14358		145.1	72.8	Drop 17
225459	20 30	96 30	328	329	62	6.9	-66.6	-64.8	13613	14360		145	71.8	Drop 18
230929	22 00	97 28	~	~	191	3.7	-66	-69	13612	14367		145	72.8	Drop 19
232530	23 49	96 40	228	217	7.5	1.0	-65.6	-70.7	13613	14360		145.2	72.2	Drop 20
234209	25 40	95 48	218	19.2	304	6.8	-65.9	-71.2	13617	14347		145.2	72.8	Drop 21
235824	27 28	94 55	~	~	275	11.3	-65	-71	13616	14352		145.1	73.4	Drop 22
001542	27 33	92 30	87	86	243	4.4	-65	-72	13613	14358		145.3	71.7	Drop 23
003406	27 38	90 00	87.8	87.3	169	4.0	-67.6	-73.2	13614	14362		145.3	72.2	Drop 24
005221	27 42	87 30	88	88	223	10.7	-67	-70	13621	14362		145.2	72.9	Drop 25
011027	27 45	84 58	92	93	228	15	-67.4	-69	13622	14382		145.6	71.4	Drop 26
0134	27 48	82 33	36	43	104	12.5	-25.3	-22.2	213	230		989	32	↓

14, 15, 16 17 18, 19 20, 21, 22 23, 24, 25 26 out

Ref 3 191937 ✓
 Drop 4 192009 ✓
 Drop 5 201404 ✓
 Drop 6 201433 ✓
 Drop 7 201451 ✓
 Drop 8 204407 ✓
 Drop 9 204430 ✓
 Drop 10 204448 ✓
 Drop 11 213413 ✓
 Drop 12 213443 ✓
 Drop 13 213506 ✓
 Drop 14 224551 ✓
 Drop 15 224615 ✓
 Drop 16 224632 ✓

75
8.7
 66.3
8.9
 57.4
8.7
 48.7

Drop 17 235840 ✓
 Drop 18 235902 ✓
 Drop 19 235918 ✓
 20 0016072 ✓
 21 001643 ✓
 22 001707 ✓
 23 010859 ✓
 24 010918 ✓
 25 010935 ✓

020917D	3742 mi	37	8.7
020918D	3723 mi	28	8.7
020919D1	3731 mi	24	8.7
020919D2	3667 mi	25	8.6
020920D	3739 mi	29	8.7
020921D	3741 mi	30	8.9
020923D	3748 mi	28	8.7
020924D	3582 mi	26 Drops	
	<u>29,680</u>	<u>227</u>	

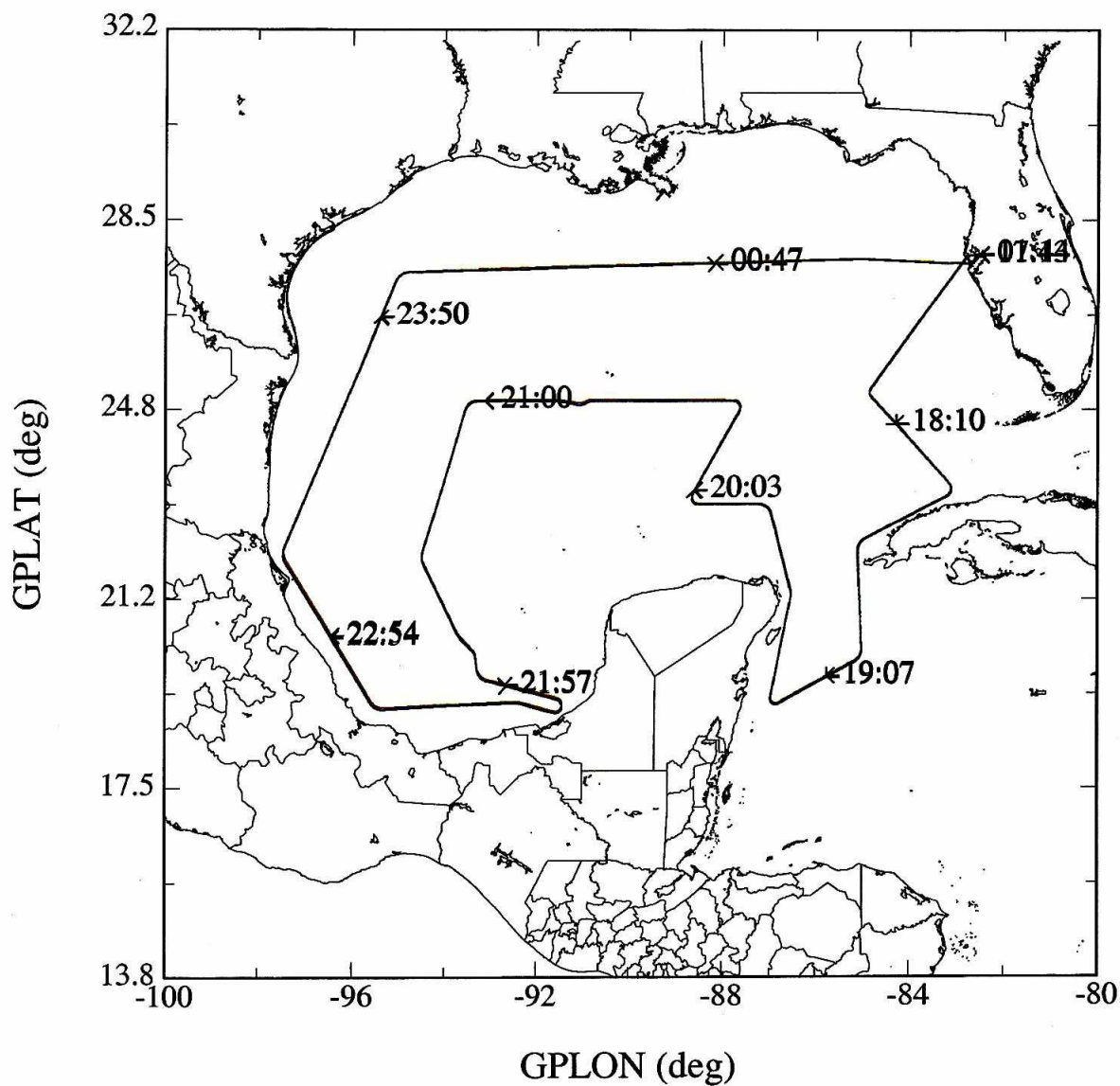
N49RF AVAPS DropSonde Log

N49RF Project: Hurricane 07 Flight ID 020924N
 Mission: T.S. Isidore Flight #: RF12 System Status: OK

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	OOD ☒
1	013 215 063	1	1804	0	53	DWC	Lost winds	
2	013 248 108	1	1823	0	25		Lost winds	
3	020 215 345	2	1841	0	29			✓
4	013 635 049	3	1900	.3	49			✓
5	013 635 137	1	1917	0	29			✓
6	013 635 041	1	1935	.3	45			✓
7	013 215 138	2	1949	.3	40			✓
8	013 515 033	1	2002	0	60			✓
9	013 635 126	2	2018	.3	58			✓
10	013 635 160	1	2033	.3	17			✓
11	013 248 102	2	2048	0	13			✓
12	013 635 125	1	2103	.3	40			✓
13	013 635 053	2	2116	.3	33			✓
14	013 635 001	1	2130	0	12			✓
15	013 515 032	1	2152	0	16	QJZ		✓
16	013 515 029	2	2207	0.1	27	QJZ		✓
17	013 635 133	1	2240	0.3	23	QJZ		✓
18	013 635 250	2	2255	0.3	27	QJZ		✓
19	013 215 169	1	2309	0.3	45	QJZ		✓
20	013 248 099	2	2325	0.1	35	QJZ		✓
21	020 215 333	1	2341	0	47	QJZ		✓
22	010 715 139	2	2358	-0.3	30	QJZ		✓
23	020 248 012	1	0015	0.2	34	QJZ		✓
24	013 248 115	1	0034	0.1	26	QJZ		✓
25	011 245 041	2	0052	-0.6	30	QJZ		✓
26	010 715 219	1	0110	-0.3	35	QJZ		✓
27								
28								
29								
30								
31								
32								
33								

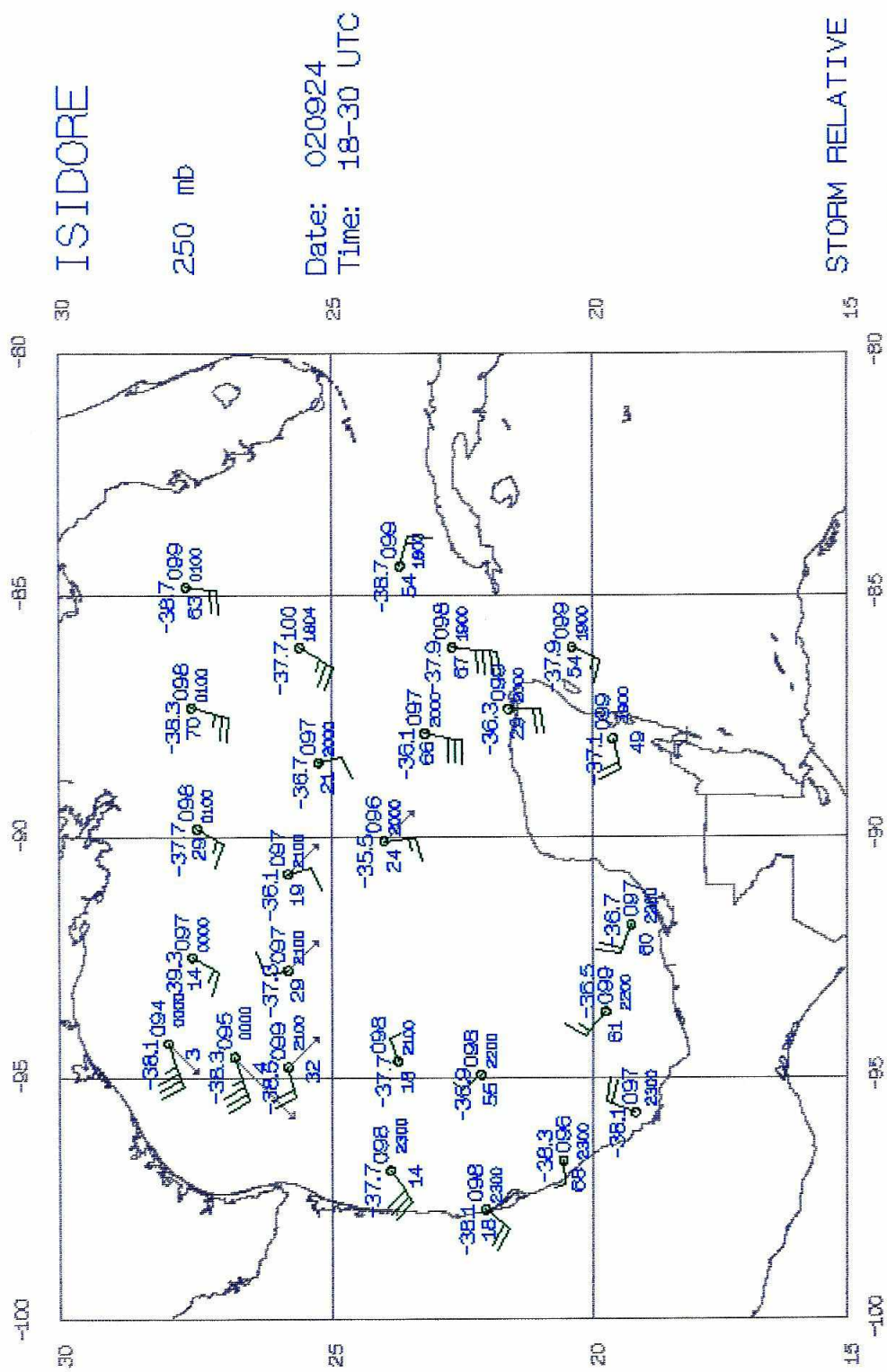
Hurricane_2002, Flight #rf12

09/24/2002 UTC, 17:13:29-25:44:31



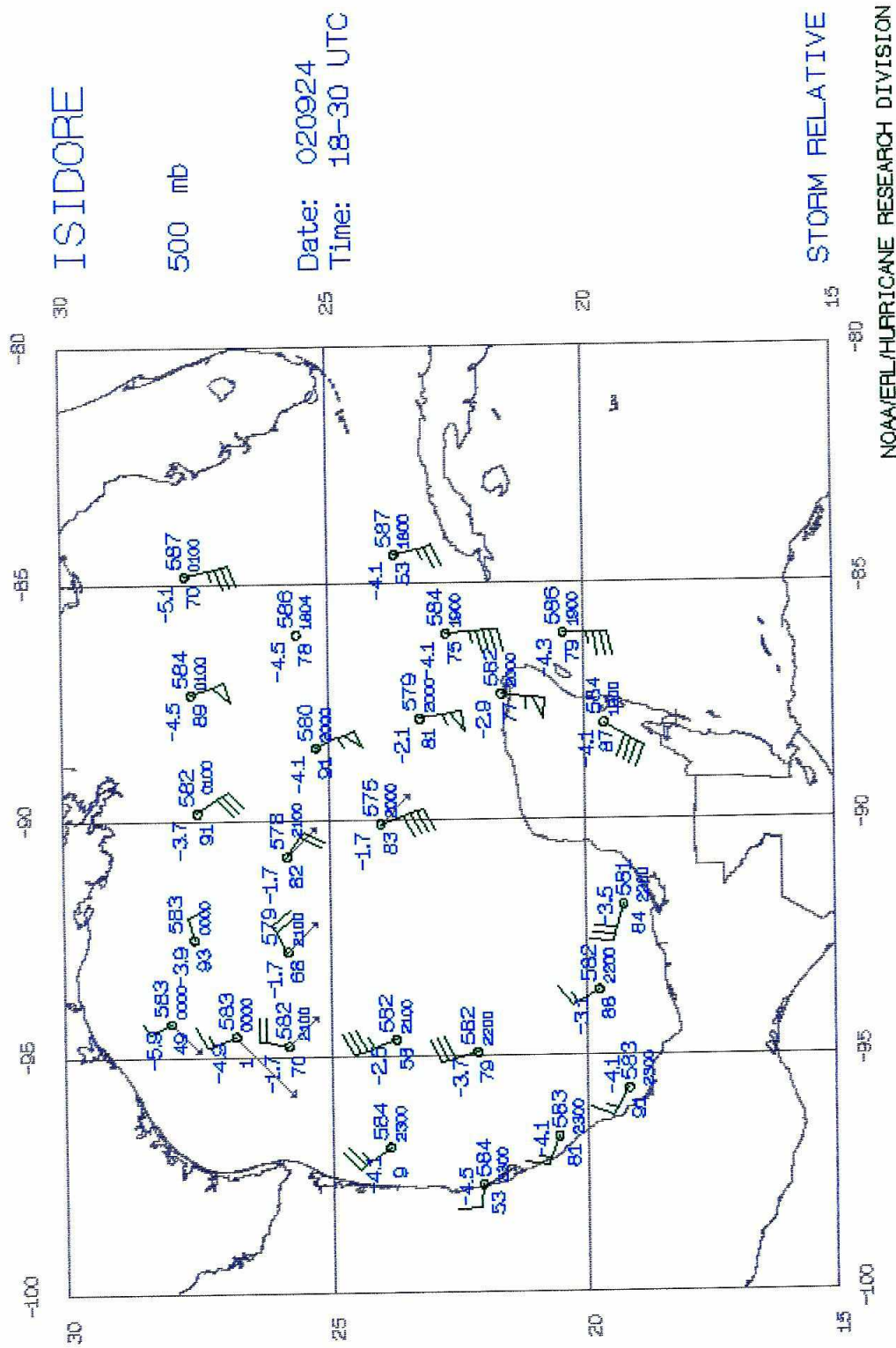
	mean	sigma	min	max
GPLAT (deg), 1 s/sec	23.91	3.06	18.94	27.88
GPLON (deg), 1 s/sec	-89.48	4.75	-97.46	-82.44
LAT (deg), 1 s/sec	23.94	3.06	18.98	27.89
LON (deg), 1 s/sec	-89.47	4.74	-97.44	-82.44

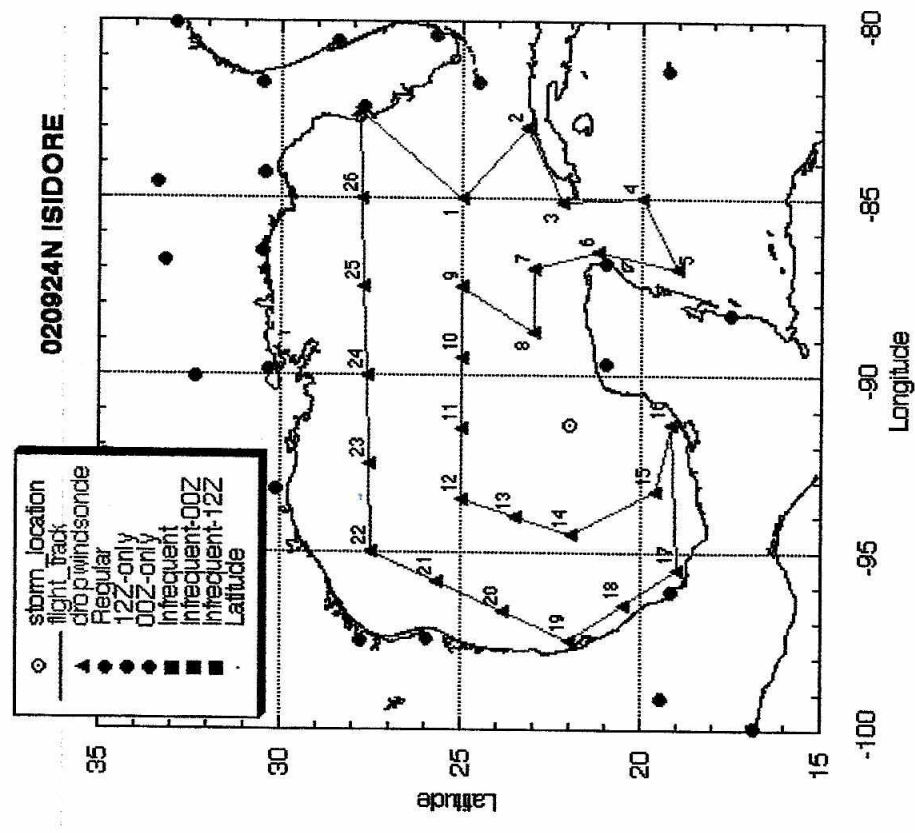
ksunner@fampc bay.rr.com
Bob Schwartz



Date: 020924
Time: 18-30 UTC

NOAA/ERL/HURRICANE RESEARCH DIVISION





HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: ISIDORE/SYNOPTIC

NOAA/Hurricane Research Division Monday, September 23, 2002 10:50:33 AM
Aircraft: N49RF Proposed takeoff: 24/1730Z

DROP LOCATIONS

G-IV Instrument Drop Points

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	25 00	85 00		0:30
2	23 15	83 00		0:51
3	22 15	85 05		1:09
4	20 00	85 00		1:28
5	19 00	87 00		1:46
6	21 15	86 30		2:04
7	23 00	87 00		2:19
8	23 00	88 45		2:33
9	25 00	87 30		2:52
10	25 00	89 30		3:08
11	25 00	91 30		3:23
12	25 00	93 30		3:39
13	23 28	94 00		3:52
14	21 57	94 30		4:05
15	19 36	93 16		4:27
16	19 09	91 24		4:42
17	19 00	95 30		5:15
18	20 30	96 30		5:29
19	22 00	97 30		5:44
20	23 49	96 40		6:00
21	25 40	95 49		6:16
22	27 30	95 00		6:33
23	27 34	92 30		6:52
24	27 38	90 00		7:11
25	27 42	87 30		7:30
26	27 46	85 00		7:50
