

FLT ID: 961007H	FM: KMCF	TO: HEAT KMCF
FLT NO: 97-002	BLK IN: 2033 0456	ATA: 2025/0342/0444
ETD: 1900	BLK OUT: 1912/2142/0352	ATD: 1922/2149/0357
ETE: 0300	BLK TIME:	FLT TIME:
SPONSOR ORG: HRD	PROGRAM: WATERS HYPER RESEARCH	PURPOSE: LANDFALL

OAO PERSONNEL

AC MCKIM, G ✓	SYS ENG MILLER, S ✓
CP KENNY, P	DATA SYS RESEARCH
NAV RATHBUN, D ✓	RADAR BARR, J ✓
FE TORREY, R ✓	BT/ODW CARPENTER, D
RADIO ROGERS, M ✓	CLD PHYS
FD CZYZYK, J ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
31 KINNEY, B ✓	OBSERVER AFT	AOC
BLACK, M ✓	SCIENTIST	HRD
DODGE, P ✓		
HOUSTON, S ✓		
LANDSEA, C ✓		
(SISTE) DRURY, S ✓		
MARKS, F ✓		

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

TEAL29 2130Z 5K or 10K 850mb 00Z
 20-MIN RECCO AF968
 ASDL 1-MIN OBS
 TLH 30°40'N RUSKIN 27°42'N 82°24'
 84°33'W
 00Z FCST 29.8 84.2
 18Z 28.3 85.9 983mb
 1730Z 045° 20KT
 00Z LANDFALL

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 OAOWF2

FLT ID:

TIME OFF:

TIME ON:

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	998.5	29.53		

NO

DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

AXBT

AXCP

DDW

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

H961007

[illegible]

T.S. JOSEPHINE LANDFALL

FLIGHT #1 961007H

TYPE OF DATA -----	SENSOR OR OPTION -----
INE	1
Accelerometer	1
Temperature probe	1
Altitude change option (for vertical winds)	RA-159
Static pressure	Rosemount fuselage
Dynamic pressure	Rosemount fuselage
Time source	Micro 99
Constants file	CO2965.CON

Notes:

Radar altimeter, RA-159, was patched from 2148:42-2149:05, due to a spike. RA-159, was replaced by RA-232 from 0328:00-0357:12, due to several spikes. The radar altimeter, RA-159, was set to zero after landing at KOPF and KCMF due to spikes (0342:05-0357:03 and 0443:43-0455:00). RA-159 was patched from 0443:35-0443:55.

Total temperature, TT1, was patched from 0341:00-0345:00, due to a spike.

Note dewpointer #1 (DW1) from 0240:00-0253:00, it may have an unknown problem.

Dewpointer #1 (DW1) exceeded the ambient temperature on several occasions times due to heavy precipitation.

There were 8 GPS dropsondes during the mission: 2237:30, 2354:47, 0017:20, 0029:25, 0044:17, 0058:13, 0116:48, and 0128:45.

	Takeoff -----	Landing -----
Aircraft static pressure:	998.5 mb	997.2 mb
Corrected static pressure:	1000.0 mb	

The aircraft INE positions were renavigated with respect to GPS.

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

Flight Meteorologist: Stan Czyzyk: (813) 828-3310 ext. 3086


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TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE
TS JOSEPHINE LANDFALL
YYMMDDL FLT I.D.
961007H
HHMMSS START TIME -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
213901
HHMMSS END TIME 999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
045500
HHMMSS TAKE OFF TIME
214830
* NUMBER OF TAPES (I2) ...FOR STANDARD TAPE OUTPUT ONLY
1
* -----LOGICAL UNIT OF INPUT DATA (I1) 5, 8 OR 9 FOR TAPE DRIVE
9
* -----LOGICAL UNIT OF OUTPUT TAPE DRIVE (I1) [FOR STANDARD TAPE ONLY]
9
* -----LOGICAL UNIT OF PRINTER (I1)
6
* -----DATE OF PROGRAM (MMDDY)
06094
* -----STATIC PRESSURE PROBE (I1)
* 1 = PSW (WINGTIP)
* 2 = PSF (CO-PILOT/FUSELAGE)
* 3 = FUTURE USE
2
* -----DYNAMIC PRESSURE PROBE (I1)
* 0 = PQW(WINGTIP)
* 1 = PQF1 (FUSELAGE 1281)
* 2 = PQF2 (FUSELAGE 1221)
* 3 =FUTURE US
1
* -----INE SELECTION (I1)
* 1 = INE 1
* 2 = INE 2
1
* -----ACCELEROMETER (I1) - USUALLY THE SAME AS YOUR INE SELECTION
1
* ----- TOTAL TEMPERATURE PROBE (I1) [1 OR 2]
1
* ----- DEWPONT TEMPERATURE PROBE (I1) [1 OR 2]
1
* -----ALTIMETER OPTION (I1) - FOR VERTICAL WIND COMPUTATION
* 0 = PRESSURE ALTITUDE (OVER LAND)
* 1 = RADAR ALTITUDE APN-159 (OVER WATER)
* 2 = RADAR ALTITUDE APN-232 (OVER WATER)
1
* -----PRINTOUT RATE SECONDS (I2)
10
* -----WINDSPEED/DIRECTION RUNNING AVERAGE TIME, SECONDS (I2)
10 ! FOR STANDARD TAPE OUTPUT ONLY
* -----TIME OPTION (I1)
* 1 = MICRO 29
* 2 = TIME BASED GENERATOR #1
* 3 = TIME BASED GENEATOR #2
1
* -----NAME OF CONSTANTS FILE EX CO3863.CON
CO2965.CON
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IP Drop sonde, descend to 8,000'

1 ~ 100 KM NW of G

2 Line up G and KTLH

3 As close to coast

4 Along G-KTLH radial, to ~180 KM from KTLH

3-4 repeated, then

4-5 overfly buoy 42036 (28.5, -84.5)

5-6 fly to near CDRF1, drop sonde

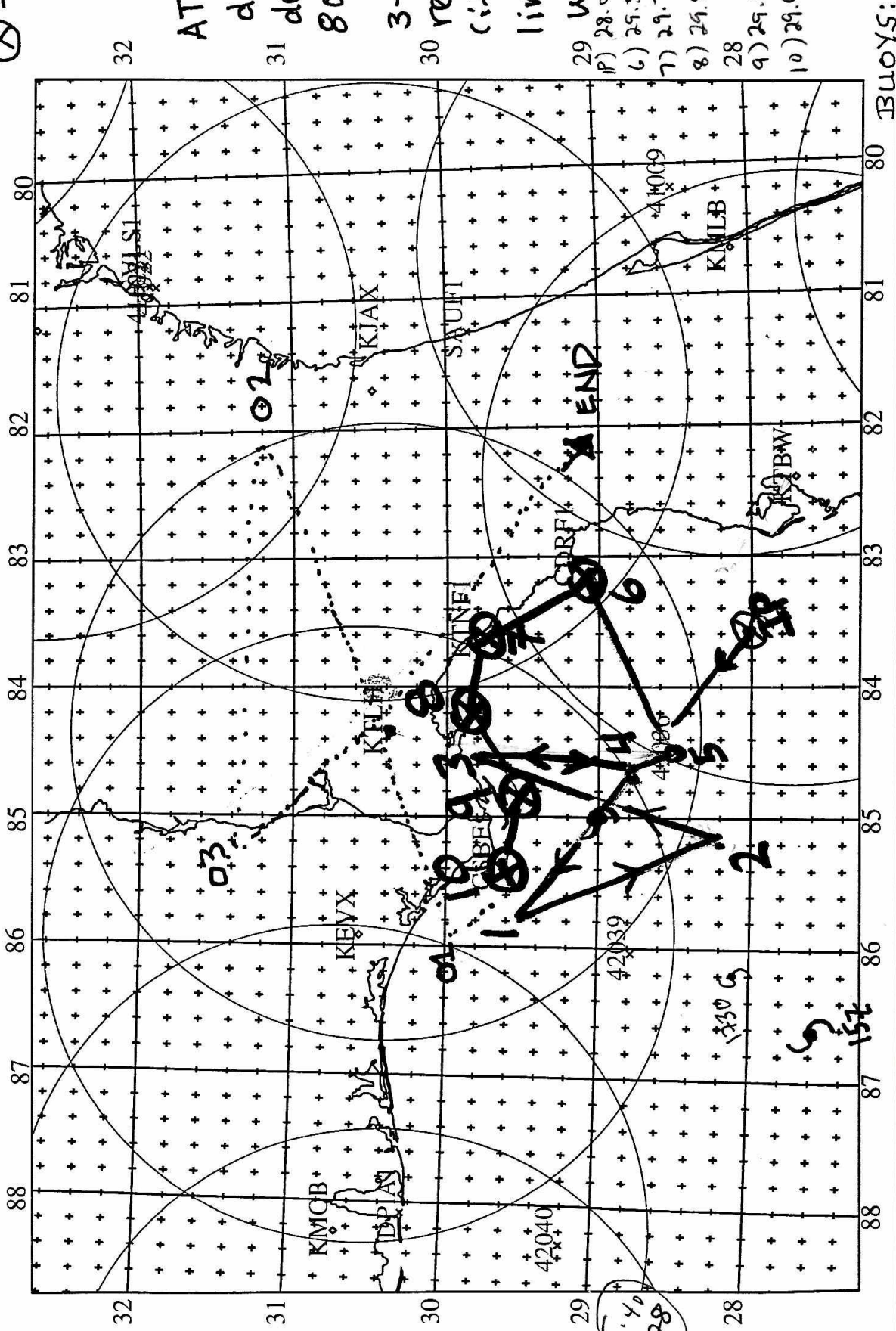
6-7-8-9-10 Coastal Patrol,
Drop sondes.

OPTIONAL FINAL fig 4:

ascend to 14,000, overfly KTLH

KCLX

Josephine



0 50 100 150 km

Center Lat: 30.00 Lon: -84.00

60347	22.06
29.18	84.53
84.21	983 mb
23047	

RADARS: KTBW 27.7056, 82.4022
KTLH 30.3975, 84.3289
KEVX 30.5644, 85.9214
KTAX 30.4847, 81.7019

230 km range rings

42036: 28.5, -84.5
42039: 28.78, -86.04
CSBF1: 29.67, -85.36
CDRF1: 29.4, -83.03
~~KTNF1: 29.82, 83.59~~

DATE : 10/07/96

TO : Chief, AOC Flight Operations

FROM : Pilot/Flight Director, Aircraft N42RF ON 0456 BLOCKTIME

OFF 1912 8.9

SUBJECT: Hazardous Duty

PURPOSE OF FLIGHT: WINDFIELD AT LANDFALL T.S. JOSEPHINE

Hazardous Duty Pay is required for flight made on 10/07/96
(DATE)

Request based on FLYING T.S. JOSEPHINE AT 8K FEET,
FLYING INLAND AFTER LANDFALL, FLYING HURRDN. FORCE WINDS
ON FERRY BACK TO KMCF.

Personnel on board authorized Hazard Pay:

CZYZYK, S

TORREY, R

KINNEY, B

McMILLAN, S

BARR, J

CARPENTER, D

ROGERS, M

PILOT/FLIGHT DIRECTOR: [Signature]

APPROVED: [Signature]

DISAPPROVED: [Signature]

CHIEF, AOC FLIGHT OPERATIONS: [Signature]

CLEARANCES			
FREQ	ALT	HDG	OTHER
			MIA 7 WINGED LARLILC
			2906 23041
			8453
			0034 2918 8421

MISSION LOG

POSITION REPORT

1. POSITION

2. TIME

3. ALTITUDE

4. NEXT POSITION

5. ETA

6. NEXT POSITION

EMERGENCY MESSAGE

TRANSMIT THE FOLLOWING MESSAGE TO ANY AGENCY ON THE AIR-GROUND FREQUENCY IN USE. IF UNABLE TO ESTABLISH COMMS, ATTEMPT CONTACT ON ANY OF THE FOLLOWING EMERGENCY FREQUENCIES.

UHFVOICE VHFVOICE MFVOICE HF/CW MF/CW

243.0 121.5 2182 KHZ 8364 KHZ 500 KHZ

MAYDAY, MAYDAY, MAYDAY

THIS IS NOAA, NOAA, NOAA

POSITION N/S E/W AT Z

HEADING TRUE/MAG

AT KTS TRUE/INDICATED

FLIGHT LEVEL OR ALTITUDE

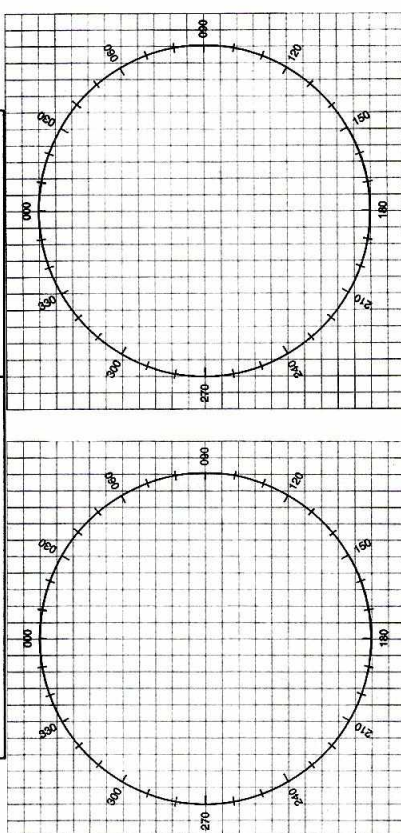
WE ARE A P-3 AIRCRAFT WITH SOULS ON BOARD

NATURE OF EMERGENCY

ASSISTANCE DESIRED

PILOT INTENTIONS

WE HAVE ENDURANCE REMAINING



TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR +E=>	TH	DR +R=>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
1906																					
1911																					
1921																					
1955	GPS	2630.3	2629.9	+1.4	2630.2	+1.1															
	FM1	8143.5	8143.6	-1.1	8143.3	+1.2															
2025																					
2131																					
2148																					
2215		2709.5	2708.4	+1.1	2708.9	+1.6															
		8140.6	8141.0	-1.4	8139.8	+1.8															
2252		2847.5	2846.5	+1.0	2847.0	+1.5															
		8359.3	8400.4	-1.9	8400.0	-1.5															
2304		2908.2	2907.4	+1.8	2907.7	+1.5															
		8450.6	8451.1	-1.5	8450.8	-1.2															
2352		2930.3	2929.3	+1.0	2929.9	+1.4															
		8452.6	8453.0	-1.4	8452.2	+1.4															
0102		2958.1	2957.3	+1.8	2957.9	+1.2															
		8417.0	8417.4	-1.4	8415.8	+1.2															
0106		2949.1	2948.3	+1.8	2948.8	+1.5															
		8432.1	8432.6	-1.5	8431.0	+1.1															
0142		2951.7	2951.8		2952.6																
		8424.4	8424.7		8424.0																
0221		2950.9	2950.9	0	2951.1	-1.2															
		8342.4	8342.6	-1.2	8340.5	+1.9															
0342																					
0356																					
0413		2639.7	2641.3	-1.6	2639.0	+1.7															
		8116.5	8116.7	-1.2	8116.5	0															
0443		2751.2	2753.0	-1.8	2751.5	-1.3															
		8231.0	8230.2	+1.8	8230.7	+1.3															