

NOAA WP-3D N43RF

T.S. Fay TDR

Flight ID: 080819I

Sensor or System	Number or Name
INE	1
Accelerometer	1
Temperature Probe	1
Dew Point Probe	1 (General Eastern)
Altitude (for Vertical Wind)	APN-159
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage 1281
Time Source	Micro 99
Constants File	N43_hur08.adc

Notes:

Data Start Time: 031301Z. End Time: 095101Z.

Data/time gaps the following times:

034811Z-4821Z, 042751Z-2810Z, 050151Z-050200Z, 065311Z-5330Z, 074641Z-4700Z, 083551Z-3600Z, 084951Z-5010Z, 091351Z-1400Z, 093141Z-3200Z.

These gaps can result in erroneous vertical winds around the gap periods.

King Liquid Water inop.

TD1 frozen, patched with TD3 063559-064400Z.

Processed data file: 080819I_RXC.nc

During the mission there were instances where the dewpoint temperature exceeded the derived ambient temperature. This occurred primarily during heavy precipitation.

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

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

Flt ID: 080819I	From: KMCF	To: KMSY
Flt. No: —	Blk In: 0952 Z	Time On: 0947 Z
ETD: 03Z	Blk Out: 0306 Z	Time Off: 0317 Z
ETE: 8 +	Blk Time: 6:46(6.8) Hrs	Flt Time: 6:30(6.5) Hrs
Sponsoring Org: NHC	Program: TDA	Purpose: J.S. Fz

AOC Flight Crew

Aircraft Commander: Choy	Data System: Daehner
Co-Pilot: Newman, Ehardt	AVAPS: Smith
Navigator: Seigel, Kipper	System Eng: Lynch
Flight Eng: Floyd, Klippel	AA:
Flight Director: Parrish	AA:
Avionics: Sans Souci	Crew Chief: Mitchell

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
Camache, J.	P.I.	HAAD
Black, M.	Recon	↓
Cecil, D.	Obs	↓
Baldi, C.	SRA	SRA

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)

Recco Times

Fix # Fix Time

Storm Name: FAY

T.O. 030/10 1011-5

Mission ID: _____

NOTES:

(See reverse for additional remarks)

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

Flight ID: Time Off: Z Time On: Z

AC - Takeoff

Wx Station - Takeoff

AC - Land

Wx Station - Land

Pressure

Number

Data Disposition / Date / Quality

Flight Level Tapes

Radar Tapes

Cloud Physics Tapes / CDs

Video Tapes

Dropsondes

Good: Bad:

AXBT

AXCP

AXCTD

Remarks:

TAKE OFF WEATHER:

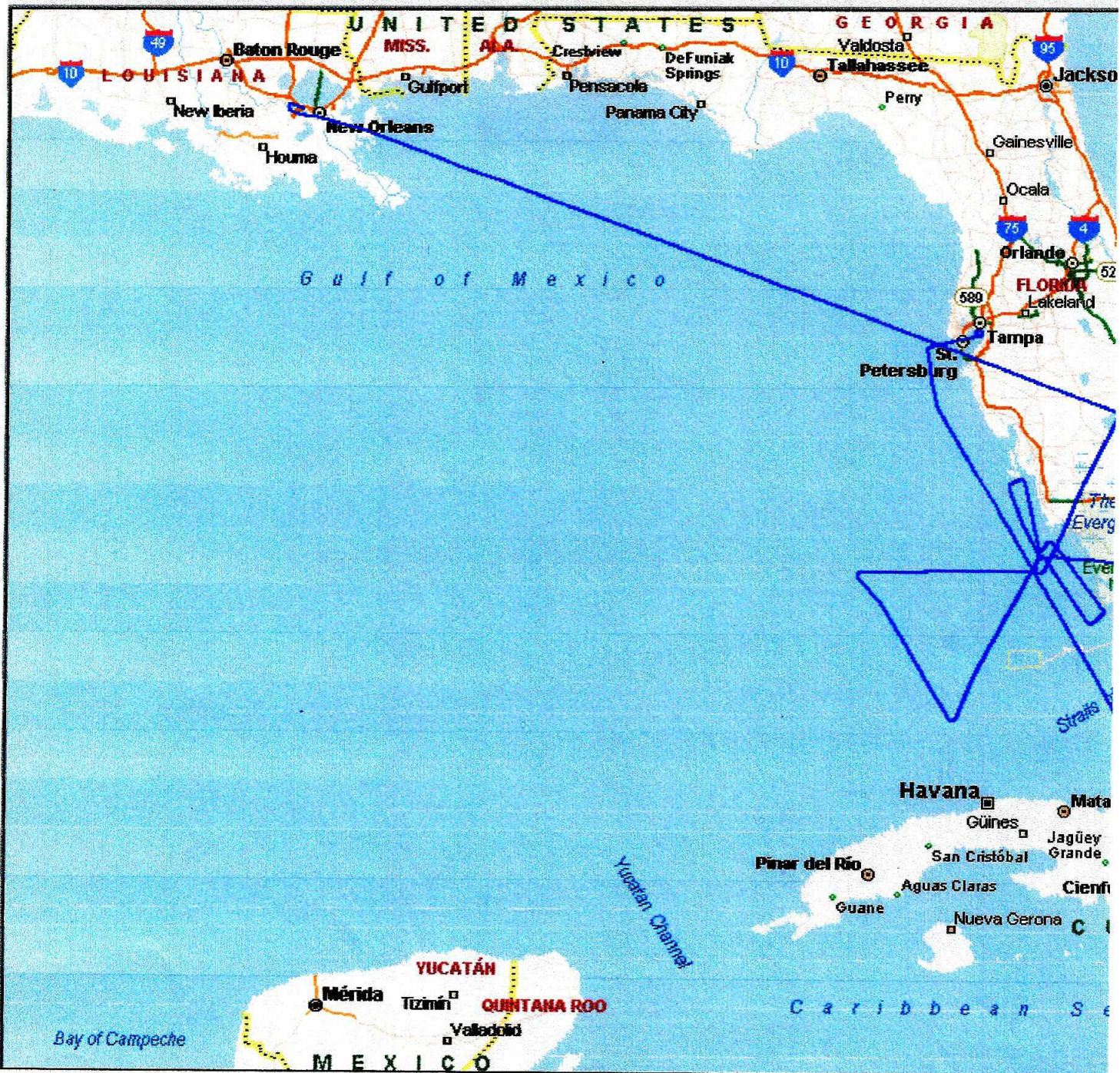
LANDING WEATHER: J 0853Z 25/23 29.86

0402Z 25°28'N 81°53'W
0514Z 25 31N 81 52W
0628Z 25 36N 81 51W
988m

25 27
79 58

992E
995 corrected

25 ~~27~~ 29 994.6
83 48
23 59
82 50
0625Z

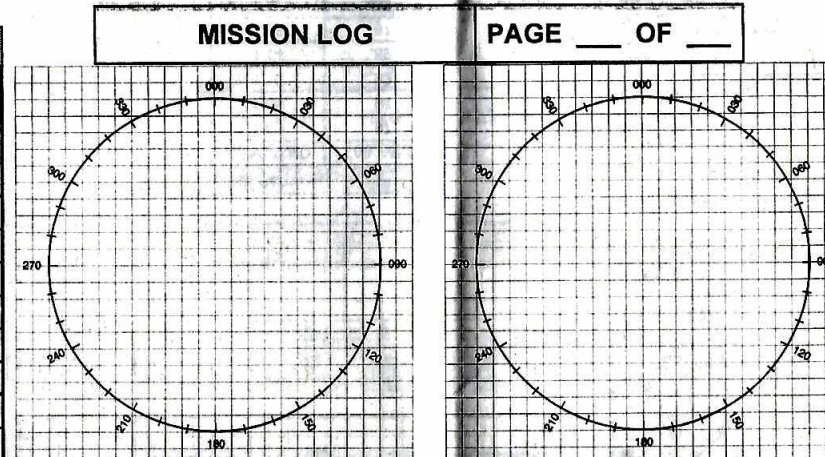


2359.8250.5

NE 2701

8054

CLEARANCES			
FREQ	ALT	HDG	OTHER
29.66			304.8 132.05
			KMSY
			Right 080 1600 139
			119.9 1402
			FBO 504 468 7722
			132.35 132.4 134.75
			120.2 119.45 124.7
			132.8
			MSY - Dir 122.45 0974
			127.0 132.35 133.35



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:

UHF/VOICE 243.0 VHF/VOICE 121.5 MF/VOICE 2182 KHZ HF/CW 8364 KHZ MF/CW 500 KHZ

MAYDAY, MAYDAY, MAYDAY THIS IS NOAA ____, NOAA ____, NOAA 43

- 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 17 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
0259	DA 0303	CN6 STRT																			
0305		7182																			
0315	T/O	KMCF																			
0320		81.3 2149	21.49	0	21.49	0	260	6W	25	0	260	210	683	27	10	215	IP				
0333	SA ✓																				
		0510	25.20		25.20																
		81.5	81.5																		
FIX	0402	2528																			
		81.5																			
0420		2418	24.17	+1	24.18	0	164	4W	160	7L	157	249	236	32	11	254					
		081 10	081 10	0	081 11	-1															
		2528	25.28	-1	25.28	0	281	4W	277	11L	270	262	007	26	140	263					
		81.5	81.5	-1	81.5	-1															
0527		2528	25.28	-1	25.28	0	281	4W	277	11L	270	262	007	26	140	263					
		81.5	81.5	-1	81.5	-1															
0627		2528	25.28	-1	25.28	0	281	4W	277	11L	270	262	007	26	140	263					
		81.5	81.5	-1	81.5	-1															
0727		2528	25.28	-1	25.28	0	281	4W	277	11L	270	262	007	26	140	263					
		81.5	81.5	-1	81.5	-1															
0916		2528	25.28	-1	25.28	0	281	4W	277	11L	270	262	007	26	140	263					
		81.5	81.5	-1	81.5	-1															
0547	LAND	KMSY																			

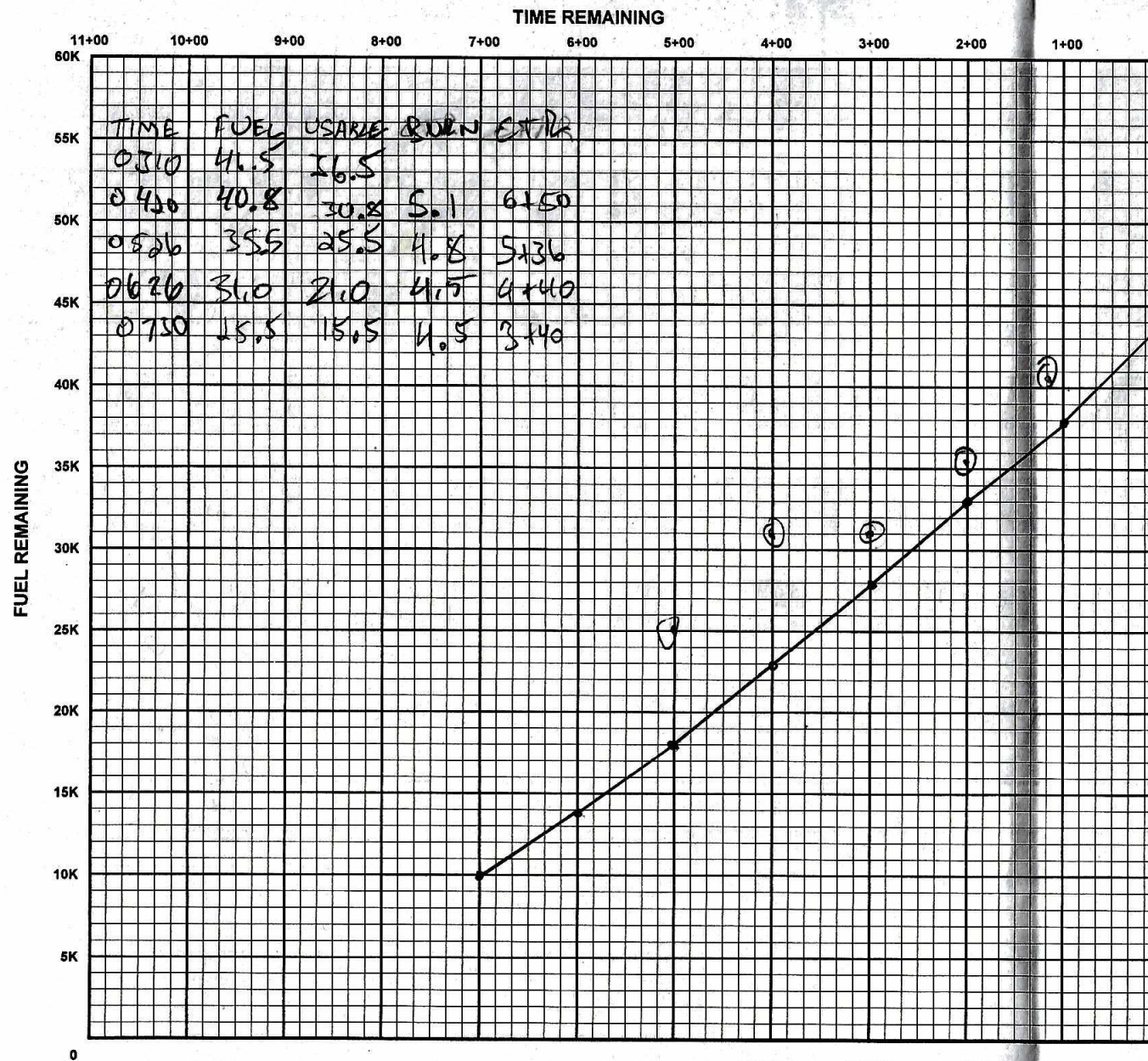
0700-Brandon Towns Teal 70 - First 3 hrs Teal 71-8-92 MOSA 2900 - Tower Homestead
3100 Louis IFR 6 hrs-Comdr-the Hussars

2529.5 83 48.7

[illegible]

[illegible]

RANGE CONTROL GRAPH



DISTANCE REMAINING

$$ETP = .5(TOTAL\ DISTANCE \times OUTBOUND\ WIND\ FACTOR)$$

WIND FACTOR		
WINDSPEED	HEADWIND	TAILWIND
10	1.03	.97
20	1.06	.94
30	1.10	.92
40	1.14	.89
50	1.18	.87
60	1.22	.85

ENROUTE FUEL	
ENROUTE TIME	7+00
ENROUTE FUEL (6K 5K 4.5K RULE)	33.5
RESERVE AT DESTINATION	10
REQUIRED RAMP	43.5
ACTUAL RAMP FUEL	47.8

TACTICAL (OFFSTA TO DESTINATION)		
	4 ENG	3 ENG
DISTANCE (OFFSTA TO DEST)		
ENROUTE TIME (OFFSTA TO DEST)		
BURN RATE (LBS/HR)	4500	5500
ENROUTE FUEL REQUIRED		
RESERVE AT DESTINATION		
FUEL AT OFFSTA		

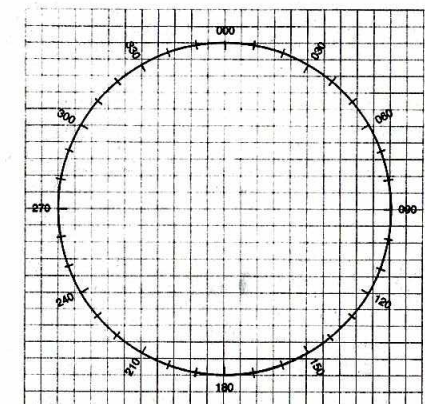
POINT OF SAFE RETURN		
	4 ENG	3 ENG
ETP DISTANCE (TO DEPARTURE)		
ENROUTE TIME (TO DEPARTURE)		
BURN RATE (LBS/HR)	4500	5500
FUEL REQUIRED		
RESERVE AT DEPARTURE		
PSR FUEL		

PRESS ALT	200	250	300	350
10,000	1.0	1.0	.99	.99
20,000	.99	.98	.97	.97
30,000	.97	.96	.95	.94
40,000	.96	.94	.92	.90

CEX - TRUE BEARING METHOD			
COMPASS TYPE	INS1	INS2	WET
MCH (READING)			
- MTH (SEXTANT)			
CE			
- VAR			
DEV			

CEX - ERB METHOD			
COMPASS TYPE	INS1	INS2	WET
MERB (DIAL 000)			
+ ZN			
- MTH			
MCH (READING)			
CE			
- VAR			
- DEV			

CEX SIGHT	
GMT	
GHA	
CORR	
GHA	
LONG +W -E	
EXACT LHA	
LAT	
BODY	
DEC	
HC/D	
CORR	
HC	
Z	
ZN	



TRUE AIRSPEED CROSS-CHECK							
TIME	IAS	PRESS ALT	"F" FACTOR	EAS	OAT	TAS	ITAS
0333	214	100	/	/	+6	260	263