

19980925I1-FDIR

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TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE
H. Georges Recco
YYMMDDL FLT I.D.
980925I
HHMMSS START TIME -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
011801
HHMMSS END TIME 999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
105130
HHMMSS TAKE OFF TIME
012400
* NUMBER OF TAPES (I2) ...FOR STANDARD TAPE OUTPUT ONLY
1
* -----LOGICAL UNIT OF INPUT DATA (I1) 5, 8 OR 9 FOR TAPE DRIVE
1
* -----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
* ----- DEWPOINT 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 C03863.CON
C03983.CON
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Acco
HURRICANE GEORGES (~~SYNOPTIC FLOW~~, MacDill AFB - Savannah)

Flight 5 980925I N43RF

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

Notes:

Aircraft INE #1 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.

Patched INE latitude and longitude near time 0524z to remove spikes.

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	1012.2 mb	1017.0 mb
Corrected tower pressure	1012.0 mb	1019.6 mb

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

FLT ID: 980929I	FM: KMLF / KTPA	TO: KTPA /
FLT NO:	BLK IN: 2333/1052	ATA: 2325 1044
ETD: 0130Z	BLK OUT: 2306/0118	ATD: 2316/10124
ETE: 9	BLK TIME: 0.57 0.27/19:34(9.6)	FLT TIME: 0.07(0.1)/18:22(8.3)
SPONSOR ORG: ONC	PROGRAM: RECCO	PURPOSE: H. GEORGES

DAO PERSONNEL

AC: Tennesen	SYS ENG: Lynch ✓
CP: O'Mara ✓	DATA SYS: Hornbrook ✓
NAV: Strong ✓	RADAR:
FE: Moore / Wade	BT/ODW: Smith ✓
RADIO: Sanz Souci ✓	CLD PHYS:
FD: Parrish ✓	DOPPLER: Closser

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
George		
Dodge, P. * ✓	PI	
Bright, W.		
Chow, H., Wen * ✓		
Diaz, Ron *	Visitor	Thunder 105.5
Bisford, Ron	Visitor	Ch. 16 PBS
Cecil, Dan ✓		TAM

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

* BOARDED AT KTPA NOAA3 1807A GEORGES 25/03, 06, 09Z

6 FIX 0258Z 23 06N, 79 37W 988mb KSAV 32 08 81 12

6 FIX 0444Z 23 14N, 80 00W 986mb

6 FIX 0610Z 23 28N, 80 14W 986mb

6 FIX 0737Z 23 35N, 80 43W 985mb

6 FIX 0851Z 23 37N, 80 47W 984mb

5 penetrations at 5K Feet. Launched 2 GB sondes.

H.D. Georges

980925 I H. GEORGE'S RECCO

Time	LAT	LONG	TR	WD	DS	PA	GA	TA	TD	SR	PS	RD		
2306	1300K	OUT												
2318	2753	8225	79	79	28.9	482	494	25.1	21.3	1011.9	956	29.0		
0118	2757.9	8231.6				8		26.6	23.0		1012.4			
0127	2806.4	8239.4	256	97	22	919	974	23.5	13.4	1013.5	900	7		BLK TPA
01330	2751.2	8238.9	165	99	12	2111	2240	16.7	3.6	1012.7	777	7		
0145	2657	8224	166	78	22.4	3351	3551	9.8	-4.4	1010.7	670.5			
0200	2554.4	8208.7	167	70	31.8	3347	3535	9.2	2.8	1009.8	670.8			
021100	2502.5	8155.6	165	48	36	3346	3522	9.9	4.8	1007.4	671.3			
022345	2419	8133.5	135	43	36.5	1569	1613	18.9	15.6	1007.5	838			Drop 1/20 JK
023745	2347.7	8046.6	120	39	45	1569	1574	19.3	16.1	1007.3	838.7			-5K
0258	2306	7937						22	17	988				
034110	2338	7826	316	163	69	1588	1603	17.5	16.5	1004.7	836			
035145	2417	7904	319	198	68	1586	1601	17.7	17.7	1004.7	836			
0418	2447	7944	181	112	57	1589	1615	17.7	15.5	1006	836			
0430	2407	7947	190	111	71	1589	1551	18.4	18.0	998	836.8			
0444	2314	8000								986				
0505	2406	7858	49	151	64	1569	1583	18.6	15.6	1004	838			
0520	2426	7926	271	127	71	1575	1579	18.3	16.9	1003.3	837.9			
0543	2425	8127	270	54	46	1571	1591	19.0	16.6	1004.7	838			
0548	2415	8127	135	41	46	1571	1575	18.5	16.0	1003.3	838			
0610	2328	8014				1571		22	18	986				
0649	2403	7857	315	163	75	1555	1573	17.6	15.1	1006	840			
07004	2444	7941	315	138	61	1554	1568	19.0	14.6	1005	840			
07145	2502	8021	187	115	55.5	1554	1566	18.4	15.6	1004.6	840			
0725	2416	8029	190	103	67	1613	1552	19.4	17.1	994	834			
0737	2335	8043						23	17	985				
074515	2357	8052	124	125	67	1643	1539	19.8	19.4	983	832			
0812	2450	7957	257	136	66	1600								
0822	2442	8045	260	99	60	1594	1573	18.5	15.8	1000.6	836			
0834	2420.5	8123	141	56	53	1594	1555	18.4	17.2	997.5	836			
0851	2337	8047						23	18	984				
0852	↑	8047												
092230	2558	8055	359	93	43	1739	7124	-9.9	-14.1	996	426			-2212
094130	2736	8100	255	86	18	6735	7136	-10.5	-19.0	998	426			
1023	3110	8110	9	250	12.5	4414	4900	0	-7.7	1016	575			
1052	3207.3	8111.9						20.8	15.7		1017.2			Block (N)

