

19940827I1. FDIR

RECCO SOUTH OF CUBA

FLIGHT #01 I940827

TYPE OF DATA

SENSOR OR OPTION

INE	2
Accelerometer	2
Temperature probe	1
Altitude change option (for vertical winds)	RA159
Static pressure	Rosemount fuselage
Dynamic pressure	Rosemount fuselage
Time source	Micro 99
Constants file	CO3943.CON

Notes:

There was one short duration time/data gap:

172001Z - 172010Z

The fuselage dynamic pressure sensor, PQF1, experienced electronic dropouts during the following time frames:

1323Z - 1352Z
1416Z - 1422Z
1438Z - 1440Z
1443Z - 1444Z
1447Z - 1452Z
145631Z - 145830Z
150031Z - 150130Z
150231Z - 151230Z
1513Z - 1515Z
1516Z - 1521Z
1522Z - 1529Z
1537Z - 1538Z
161631Z - 161930Z
1627Z - 1631Z
1651Z - 1655Z
1659Z - 1707Z
1709Z - 1717Z
1717Z - 1727Z
1727Z - 1729Z
1732Z - 1735Z
173631Z - 173830Z
1743Z - 1745Z
174731Z - 174930Z
1752Z - 1753Z
1838Z - 1842Z

All of these dropouts were removed and patched.

The fuselage static pressure sensor, PSF, experienced electronic dropouts during the following time frames:

130831Z - 131030Z
143631Z - 143930Z
1907Z - 1913Z

These dropouts were removed and patched.

The aircraft INE positions were not renavigated.

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.

	Take off -----	Landing -----
Aircraft static pressure	1018.1mb	1016.5mb
Corrected tower pressure	1018.5mb	1017.5mb

Flight Meteorologist: A. Barry Damiano, (813) 828-3310 ext. 3073

FLT ID: <i>I940827</i>	FM: <i>KMCF</i>	TO: <i>KMCF</i>
FLT NO: <i>94-025</i>	BLK IN: <i>1922Z</i>	ATA: <i>1915Z</i>
ETD: <i>1300Z</i>	BLK OUT: <i>1302Z</i>	ATD: <i>1309Z</i>
ETE: <i>11</i>	BLK TIME: <i>6:20</i>	FLT TIME: <i>6:06</i>
SPONSOR ORG: <i>NHC</i>	PROGRAM: <i>RECCO</i>	PURPOSE: <i>INVEST SOUTH OF CUBA</i>

OAO PERSONNEL

AC <i>PHILLIPS BORN</i>	SYS ENG <i>LYNCH</i>
CP <i>TENNESEN</i>	DATA SYS <i>BARR</i>
NAV <i>KOZAK</i>	RADAR
FE <i>BAST</i>	BT/ODW
RADIO <i>SANS SOUFF</i> ✓	CLD PHYS
FD <i>D. AMIANO</i> ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
<i>KING</i>	<i>MEDIA</i>	<i>CHANNEL 10 WTSP</i>

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

*Asked DAMON to contact CARRAH at 1355Z**Got MacDill 1430Z**At 17Z NHC said to break-off and go home.**Saw a ship container floating in the water*

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 DROWF2 FILE

FLT ID: I940827

TIME OFF: 1309Z

TIME ON: 1915Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1018.1	30.06 /1019.0	1016.5	30.06/1018.0

NO

DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

AXBT

AXCP

ODW

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON					
OFF					
RATE					

REMARKS

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
P+11	Kozak	N43	94-25	1308	MCF TO MCF	8-27-04	RECCO

TIME OF ENTRY	POSITION	TYPE INE USED	INE #1 POSITION	LAT LON COR'S	INE #2 POSITION	LAT LON COR'S	ALT GS	TH TK	REMARKS
1258									ENL TAXI
1302									TORR
1308									
1354	2554.8N 8234.7W	GPS 1	2554.8N 8235.2W	-1.3 -5	2554.5N 8234.7W	4 0	17K 207	158 157	CRUISE FM 1
1432	2236.9N 8417.9W	GPS 3	2237.7N 8419.1W	-0.8 -1.2	2236.4N 8418.2W	+15 -13	17K 306	232 232	POS 4 FM 1
1530	1903.8N 8354.2W	GPS 1	1905.5N 8355.4W	-1.7 -1.2	1902.5N 8354.1W	+13 +1	15K 265	145 148	POST FM 1
1539									MARKED 1830 - 8330W
1617	1810.3 8606.3W	GPS 1	1812.9N 8607.6W	-2.6 -1.5	1814.2N 8606.5W	+1 -0.2	11K 228	265 264	CONT FM 1
1711	2015.5N 8548.1W	GPS 1	2017.9N 8550.0W	-2.4 -1.9	2014.2N 8547.6W	+13 +15	1K 232	358 358	PROCEED BACK TO MCF FM 1
1921	2750.9N 8229.1W	GPS 1	2754.8N 8230.3	-3.9 -0.7	2748.9N 8227.8W	+2.0 +1.8			CHUCKS
									NUSSIE 135.22 LOW

ATC CLEARANCE:

130 GALT: 1404 1014 265 174

ENROUTE CLEARANCES:

1710 6649 8916 PANAMA 2242
125 8413

2019.4 8548.7 18.5N 434-3020

1030 83.5W TOP -
OPEN WAVE SK-6K

TYPE OF FIX: (1) DR (2) RADIO (3) CELESTIAL (4) VISUAL (5) LORAN (6) RADAR (7) DOPPLER - INERTIAL
(8) OMEGA (9) INERTIAL (10) OMEGA - INERTIAL

PROPOSED T.O.	1300
ACTUAL T.O.	1308

SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	ΔT (2)(1)	TERMINAL ERRORS		
				ELAPSE ALIGN POST TIME					LAT	LONG	GS
INS 1	11 30				0	1258	1922	6+24	-3.9	-7	5
INS 2 IMU	11 30				5	1258	1922	6+24	+2.0	+1.8	3

OTHER REMARKS:

I940827

TIME	LAT	LONG	TRK	HD	WD	WS	PA	GA	TA	TD	SP	PS		PO
131100	2745	8235	194	191	114	9	308	365	24.3	21.3	1018.0	979.3	CLR	77.5
132700	2652	8216	192	192	172	8	4200	4463	1.4	-5.3	1015.4	598.2	CLR	62.5
133600	2617	8234	204	203	156	10	5768	5494	-4.1	-13.2	1015.7	528.1	CLD	76.8
135200	2505	8233	175	175	104	4	5165	5484	-4.7	-6.2	1016.1	528.4	CLD	66.6
140800	2355	8239	230	228	106	12	5764	5483	-4.2	-5.7	1014.5	528.5	CLD	70.9
142100	2312	8333	229	228	83	10	5167	5483	-3.6	-6.0	1012.3	528.3	CLD BLW	70.7
143600	2222	8437	230	229	51	15	5165	5477	-3.9	-4.8	1012.5	528.4	CLD	88.8
150900	2018	8449	144	142	123	16	421	453	24.1	21.3	1014.4	963.6	CLD ABV	115.9
152100	1935	8416	145	142	112	22	421	456	24.7	20.9	1014.7	963.6	CLD ABV	118.9
152600	1917	8403	150	145	110	22	419	457	24.5	22.1	1014.9	963.6	CLD ABV	121.2
154700	1827	8405	270	269	106	27	386	413	24.6	22.7	1013.9	967.6	CLDS	69.6
155600	1822	8446	255	251	116	25	304	325	25.3	23.0	1013.7	977.2	CLDS	78.7
161800	1810	8610	270	266	153	15	304	322	24.6	23.3	1013.4	977.3	CLDS	75.1
163800	1834	8645	39	44	158	18	304	320	24.5	22.2	1013.3	977.1	CLDS	74.5
165800	1929	8556	40	47	124	23	304	326	25.6	22.2	1014.0	977.1	CLDS	74.6
172100	2038	8554	352	356	122	24	305	333	25.2	21.5	1014.5	977.5	CLDS	74.3
173300	2125	8608	347	357	144	22	304	333	25.5	21.1	1014.7	977.2	CLD ABV	76.1
174300	clouded and headed for home													
180900	2339	8513	35	38	132	15	4691	4980	-0.6	-3.8	1013.8	563.0	CLR	78.4
183700	2528	8357	30	31	164	7	7047	7468	-15.0	-22.4	1008.4	408.0	CLDS	76.6