

19941113II-FDIR

T. S. GORDON RECCO

FLIGHT #02 I941113

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 were five time/data gaps:

220441Z - 220450Z
220511Z - 220520Z
220801Z - 220810Z
014830Z - 014840Z
014924Z - 014930Z

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.

	Rosemount fuselage	
	Rosemount fuselage	
	Micro 99	
	Takeoff	Landing
	-----	-----
Aircraft static pressure	1013.1mb	1013.7mb
Corrected tower pressure	1013.4mb	1014.1mb

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

220511Z - 220520Z
220801Z - 220810Z
014830Z - 014840Z
014924Z - 014930Z

were renavigated with respect to GPS.

80, 81 and 82 of record five on the tape contain vertical ground, vertical air and vertical speeds, respectively, computed using Dave Jorgensen's vertical wind algorithm.

FLT ID: <u>I941113</u>	FM: <u>KMCF</u>	TO: <u>KMCF</u>
FLT NO: <u>95-005</u>	BLK IN: <u>0732Z</u>	ATA: <u>0724Z</u>
ETD: <u>2100Z</u>	BLK OUT: <u>2154Z</u>	ATD: <u>2206Z</u>
EYE: <u>11</u>	BLK TIME: <u>9:38</u>	FLT TIME: <u>9:18</u>
SPONSOR ORG: <u>NHC</u>	PROGRAM: <u>RECCO</u>	PURPOSE: <u>TS GORDON</u>

OAO PERSONNEL

AC <u>KENNEDY</u>	SYS ENG
CP <u>TENNESEN</u>	DATA SYS <u>PRADAS - BERGNES</u>
NAV <u>RATHBUN</u>	RADAR <u>BARR</u>
FE <u>TORREY</u>	BT/ODW
RADIO <u>SANS SOUCI</u>	CLD PHYS
FD <u>DAMIANO</u>	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
<u>ODELL</u>	<u>Guest</u>	<u>FRANCOIS NHC</u>

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

INE1 → INE2 at 2241ZCALL CARRACH 224230Z
(coming off PBI coast)2309Z UPDATED
PSN from NHC
[SAME]0150Z 999 mb
22°35'N
76°59'WUNABLE TO
GET TO
CENTER NEAR
CUBAN COAST
BEST GUESS
22°40'N
77°40'W
at
0545Z0257Z 999 mb
22°41'N
77°07'W0431Z 998 mb
22°38'
77°20'Winds during
descent to KMCF 40+ KNOTS
TO 105K feet

ID: I941113 TIME OFF: 2206Z TIME ON: 0724Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1013.1	29.94 1013.4	1013.7	29.96 1014.1

C FLT LVL TAPES

FLT LVL TAPES

TAPES

ER TAPES

ASSETTES

COPIES

ES PMS

PHOTOGRAPHY

FWD

LS

RS.

VERT

TERMINAL ERRORS

LAT	LONG	GS
-1.8	+5.9	6
+5.6	-1.6	3

A/C COMMANDER		NAVIGATOR		A/C NO.		MISSION NO.		TIME AIRBORNE		LOCATION		DATE		PROJ. NAME	
KENNEDY		RATHBUN		N43RF		94-005		2205		MCF-7MCF		13/NOV94		T.S. GORDON	
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						
2150 2153 2205	GPS								ENG START TAXI TAKE OFF						
	2636.7	INS	2637.6	-1.9	2636.3	+1.4	170	119							
2239	8032.0	#2	8031.8	+1.2	8031.9	+1.1	250	128							
	2453.2		2454.4	-1.2	2452.6	+1.6	170	118							
2324	7739.1		7738.4	+1.7	7738.7	+1.4	248	121							
	2401.1		2403.4	-2.3	2406.5	+1.6	1500	113							
2350	7604.5		7603.6	+1.9	7604.0	+1.5	206	119							
	2229.9		2232.6	-2.7	2228.7	+1.2	1500	004							
0023	7520.4		7519.8	+1.6	7519.7	+1.7	222	001							
	2400.1		2407.6	-3.5	2403.2	+1.9	1500	275							
0104	7537.1		7535.7	+1.4	7536.8	+1.3	244	270							
	2222.9		2226.7	-3.8	2221.0	+1.9	1500	354							
0154	7656.8		7654.9	+1.9	7656.9	-1.1	222	355							
	2235								CENTER						
0158	7659														
	2251.5		2256.5	-5.0	2250.1	+1.4	1500	105							
0244	7752.3		7748.5	+3.8	7751.2	+1.1	196	105							
	2241								CENTER						
0257	7707														
	2427.9		2431.2	-3.3	2425.1	+2.8	1500	250							
0338	7519.7		7516.0	+3.1	7519.8	-1.1	203	255							
	2405.0		2409.7	-4.7	2402.5	+2.5	1500	157							
0408	7721.7		7716.2	+5.5	7720.3	+1.4	249	180							
ATC CLEARANCE: R080 1.6 13425 4716															
2351N															
ENROUTE CLEARANCES: 2240 7659 7441W 10															
COMST GROUND 2136															
218															
2239 7659 0158															
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															

Page 3

PROPOSED T.O.	2200E
ACTUAL T.O.	2205Z

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	G S
INS 1	2015 Z				5	2156	0724	9134	-1.8	+5.9	6
INS 2 IMU	2015 Z				0	2156	0724	9134	+5.0	-1.6	3

OTHER REMARKS:

7941113

TIME	LAT	LONG	TRK	HD	WD	WS	PA	GA	TA	TD	SP	PS		P6
220900	2751	8223	126	123	60	17	796	847	18.5	16.9	1013.6	912.6	CLO ADV	82.0
222000	2725	8144	128	124	60	22	7704	3847	5.5	-11.5	1004.2	636.4	CLO ADV	74.9
222800	2706	8115	126	120	64	35	4611	4802	-0.1	-16.8	1004.7	568.7	CLO BLW	74.0
223800	2642	8039	127	119	83	47	5222	5451	-4.6	-18.1	1004.8	524.5	CLO BLW	69.8
225200	2605	7948	129	119	53	48	5232	5455	-5.1	-18.0	1005.6	523.7	IN BTWN	69.4
230200	2538	7909	117	107	49	52	5232	5440	-5.3	-17.6	1004.4	523.7	CLO	73.7
231400	2513	7822	119	113	57	38	5268	5460	-5.3	-6.7	1000.6	521.1	DARK	65.0
232500	2452	7731	122	118	88	35	5267	5451	-4.2	-5.5	997.4	521.3	DARK	74.5
233900	2423	7644	121	121	127	16	3041	3097	8.8	6.9	1000.2	706.4	RW+	82.0
234700	2407	7617	120	111	51	40	534	450	21.5	21.1	1000.9	951.0	RW+	77.0
235300	2357	7557	118	113	56	24	532	446	21.6	21.0	1000.7	951.0	—	76.0
000200	2338	7530	180	178	43	14	533	449	22.0	20.8	1000.9	950.9	—	81.2
003600	2236	7436	330	328	204	11	530	456	22.7	20.8	1001.7	951.4	BLR	74.0
004000	2207	7456	330	330	224	5	529	451	22.4	22.1	1001.5	951.3	RW	78.7
005500	2337	7514	329	331	110	4	527	449	22.4	20.1	1001.6	951.3	—	73.0
010800	2404	7553	271	277	52	35	527	448	22.1	19.5	1001.7	951.5	RW+	71.1
012400	2409	7701	180	172	36	38	528	447	21.7	21.0	1001.4	951.2	RW-	72.0
013200	2330	7701	180	175	85	24	527	443	21.7	21.1	1001.0	951.4	RW	75.0
013500	2318	7701			70	017	RW+							
014000	2257	7701	180	176	89	17	529	438	22.2	21.8	999.9	951.4	—	72.0
015400	2220	7657	355	353	228	9	540	447	21.5	20.0	999.6	950.1	—	69.0
021500	2337	7700	0	7	85	28	539	457	21.7	20.1	1001.2	950.4	—	72.1
022000	2356	7700	0	10	69	42	540	460	21.5	21.2	1001.7	950.4	RW	80.0
023000	2328	7730	218	214	84	27	537	451	21.9	20.0	1000.5	950.3	RW	75.0
024700	2247	7740	106	107	100	13	537	437	20.9	19.7	999.4	950.5	—	71.0
025500	2240	7712	105	103	61	9	546	448	22.2	20.5	999.1	949.7	—	71.2
031600	2325	7615	40	43	89	13	532	451	21.9	20.3	1001.2	951.0	—	71.9
033600	2423	7524	39	26	91	35	532	457	22.5	21.1	1002.2	951.0	—	80.1
034800	2417	7559	260	260	98	17	529	458	24.4	17.5	1002.0	951.4	RW+	67.0
040300	2419	7709	270	279	55	53	528	457	21.8	18.8	1002.4	951.1	RW	73.0
041400	2339	7726	180	171	63	41	528	445	21.5	21.9	1001.1	951.3	RW+	74.0
042700	2450	7720	180	175	26	21	528	425	22.7	23.1	998.3	951.1	—	74.0
044000	2235	7624	91	97	187	26	546	457	22.3	20.0	1000.2	949.2	—	69.0
050000	2313	7652	320	324	112	24	546	456	22.2	20.6	999.3	949.2	—	61.0
051100	2243	7720	320	330	65	36	548	456	21.5	21.1	999.9	949.7	RW	63.0
051800	2325	7726	180	176	65	16	546	449	22.6	19.5	999.1	949.9	—	68.0
060200	2335	7820	305	318	62	50	1641	1638	16.2	14.0	1001.0	824.3	RW	72.0
061300	2404	7901	322	334	61	48	2623	2705	10.0	6.2	1002.0	719.4	—	74.0
062700	2451	7943	320	328	52	32	6478	6758	-11.6	-13.9	996.0	439.1	—	59.0
063800	2524	8022	321	327	47	32	6738	7031	-13.4	-17.2	996.0	425.9	—	60.5
065100	2629	8112	321	328	56	43	6115	6320	-10.2	-20.6	1002.9	474.2	—	84.7