

19940909H1-FD112

T.S. "DEBBY"

940909H (Recco/Invest)

TYPE OF DATA

SENSOR OR OPTION

INE	1
Accelerometer	1
Temperature probe	1
Altitude change option (for vertical winds)	RA159
Static pressure	Rosemount fuselage
Dynamic pressure	Rosemount fuselage
Time source	Micro 29
Constants file	CO2942.CON

Notes:

There was one time/data gap at 211947Z - 212000Z.

As always, in very moist conditions wetbulbing occurs, as it did on this flight.

The aircraft INE positions were renavigated with respect to 10 GPS positions.

On decent into Debby TT2 froze up until level at 1500ft RA...

D.P. balanced at 175400Z - not despiked/patched...

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.

	Takeoff	Landing
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Aircraft static pressure	1017.7mb	1005.2mb
Corrected tower pressure	1017.8mb	1012.0mb

Flight Meteorologist: Philip D. Bogert (813) 828-3310 ext. 3072

FLT ID: 940909H	FM: KmcF	TO: TBPB
FLT NO: 9459	BLK IN: 10/0216Z	ATA: 10/0212Z
ETD: 1700Z	BLK OUT: 1659Z	ATD: 1711Z
EYE: 9400	BLK TIME: 9417 (9.3)	FLT TIME: 9400
SPONSOR ORG: NHC	PROGRAM: HURRICANE	PURPOSE: Recco/Invest

0A0 PERSONNEL

AC	PHILLIPS BORN ✓	SYS ENG	BARR ✓
CP	Kennedy ✓	DATA SYS	PRAXAS ✓
NAV	STRONG ✓	RADAR	MCNAMARA ✓
FE	TORREY ✓ MOORE ✓	BT/ODW	
RADIO	ARNASON ✓	CLD PHYS	
FD	BOBERT ✓	DOPPLER	

PARTICIPATING SCIENTIST/VISITORS/OAO

[illegible]

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PROPOSED/ACTUAL	MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP. #)
T.O. ALT — 3006 / 1017.8 SP — 1017.9 mb PS. 1017.7 mb	INVEST MISSION TO VENTY 14-30N 60-00W. 12200Z → 14N 59W 222 D.P. BAL. 1754Z,
ALT — 2990 / 1012.0 mb SP — 1005.2 PS — 1005.2	

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

FLT ID: 940909H TIME OFF: 17112 TIME ON: 10/02128

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

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	/	
FAST FLT LVL TAPES		
RADAR TAPES	/	
DOPPLER TAPES		
ODW CASSETTES	Ø	
HARD COPIES	Ø	
PMS	Ø	
AXBT	Ø	
AXCP	Ø	
ODW	Ø	

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON					
OFF					
RATE					

REMARKS

240909H

USCOMM-WE-DC

FLIGHT PLAN

1700

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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	1555 Z				5	1655	0217	9+22	-4.4	+7.0	3.4
INS 2 IMU					1			✓	+20.7	-11.7	6

OTHER REMARKS:

A/C COMMANDER		NAVIGATOR		A/C NO.		MISSION NO.		TIME AIRBORNE		LOCATION		DATE		PROJ. NAME	
KENNEDY		STRONG		M42RF		94-59		1711		KMCF → TBPB		9 SEP 94		TROP WAVE 10000	
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						
1737	26-38.7 81-39.3	GPS 1	26-38.7 81-38.8	0 +.5	26-38.3 81-39.3	+4 0	17.0 284	111 112	Fm I						
1845	24-18.8 76-27.0	GPS 1	24-19.7 76-25.3	-.9 +1.7	24-16.9 76-27.1	+1.9 -.1	19.0 288	140 135	Fm I						
1945	21-51.7 72-00.7	GPS 1	21-53.9 71-58.1	-2.2 +2.6	21-46.7 72-01.7	+5.0 -1.0	19.0 287	121 120	Fm I						
2039	19-38.9 68-15.0	GPS 1	19-42.5 68-11.3	-3.6 +3.7	19-30.2 68-17.2	+8.7 -2.2	21.0 278	120 122	Fm I						
2127	17-47.8 64-46.1	GPS 1	17-54.3 64-41.4	-6.5 +4.7	17-37.5 64-49.7	+10.3 -3.6	21.0 285	115 117	Fm I						
2216	15-55.9 61-07.3	GPS 1	16-01.2 61-01.7	-5.3 +5.5	15-40.0 61-12.1	+15.9 -4.8	21.0 293	132 134	Fm I						
2310	14-03.1 58-35.9	GPS 1	14-10.7 58-29.4	-7.6 +6.5	13-45.7 58-42.4	+17.4 -6.5	1.5 180	097 091	Fm I						
0004	13-18.1 60-04.8	GPS 1	13-26.1 59-56.5	-8.0 +8.3	12-59.5 60-11.3	+18.6 -6.5	1.5 226	317 320	Fm I						
0105	13-24.1 59-25.4	GPS 1	13-31.2 59-18.4	-7.1 +7.0	13-03.1 59-35.5	+21.0 -10.1	1.5 240	357 000	Fm I						
0217	13-04.6 59-29.4	GPS 1	13-10.0 59-22.4	-4.4 +7.0	12-43.9 59-41.1	+20.7 -11.7	265 36	22 24	CHUCKS						
				↑											
ATC CLEARANCE: CAF FOR 110/70 VIA RV RSW → ZBV AF															
R 080 → 1.6 EXP 170 +10															
D 278.6 SQ 3701															
ENROUTE CLEARANCES:															
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															