

19870929 I I - FDIR

Error summary I870929 Ocean cumulus #1

--Navigation : NO renavigation was done. I recommend none be done--
terminal error was small, about 2nm.

--Radar altitude : RA was patched many times throughout the flight using
a filtering technique that looked at the difference
between radar altitude and pressure altitude. These
radar altitude spikes occurred on each climb and descent.

	<u>Take off</u>	<u>Landing</u>
Aircraft static pressure	1013.8mb	1011.4mb
Corrected tower pressure	1015.2mb	1012.4mb

HRD OCEAN CUMULUS #1

U.S. DEPT. COMM./NOAA/DAO - DATA SECTION WORK FORM NO.1 OROWF1 FILE

FLT ID: 870929 I	FM: MIA	TO: MIA
FLT NO:	BLK IN: 2154	ATA: 21:50
ETD: 1700 Z	BLK OUT: 1700	RTD: 17:22
ETE: 430	BLK TIME: 4:54	FLT TIME: 4:28
SPONSOR ORG: HRD	PROGRAM: HURR '87	PURPOSE: RESEARCH

DAO PERSONNEL

RC GENZLINGER ✓	SYS ENG SCHRICKE ✓
CP EILERS ✓	DATA SYS LYNCH ✓
NAV HENDERSON ✓	RADAR GONZALES ✓
FE KIRKPATRICK ✓	BT/ODW LINO ✓
RADIO	CLD PHYS
FD MASTERS	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON R/C	AFFILIATION
31 LEIGHTON		
BLACK, M. ✓		
MARKS, F. ✓		
DORST, N. ✓		
GAMACHE, J. ✓		
ABBOTT, J. ✓	VISIT	NOAA
FANT, VAL ✓	"	KENROD
47 BRADY, PAI ✓	"	"

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

17:41:00 intercompare WD 315 42 SP 1014
 17:45:00 start key 307 43 SP 1009
 17:46:00 RA off
 17:48:00 RA back on

SUNDE 1 23 16 N
 76 05 W

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

FLT ID: 8709291 TIME OFF: 20:50 TIME ON: 17:22

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	CAL LAB 1015.2 R.G. 1014.8	3300 BKN	CAL LAB 1013.4 R 1011.9 G 1013	RW

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

CLOUD PHYSIC

13

AXBT

AXCP

ODW

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

84
70

3700

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
OFFICE OF AIRCRAFT OPERATIONS

1300 L

ACTUAL T.O. 17227

[illegible]

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		Yes	No		ϕ	1640	2156	5+16	-7.1	+2.2	3
INS 2 IMU		Yes	No		ϕ	✓	✓	5+16	-2.0	+0.6	3

OTHER REMARKS:

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME		
Genzlinger	Henderson	N432F	870929I	1722 Z	MIA	29 SEP 87	Cloud Physics		
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
1640	25-48.2 80-17.6	4 1	25-48.2 80-17.6	φ	25-48.2 80-17.6	φ	X	X	Blocks
1839		9 1	23-42.5 76-04.2		23-41.3 76-04.9		7.0 246	300 300	
2030		9 1	23-18.7 75-57.8		23-14.7 75-58.9		7.0 248	104 102	
2100	24-02.0 77-42.0	4 1	24-08.0 77-40.1	-6.0 +1.9	24-03.7 77-41.6	-1.7 +0.4	20.0 276	308 306	VIZ-Andros Is.
2156	25-48.2 80-17.6	4 1	25-55.3 80-15.4	-7.1 +2.2	25-50.2 80-17.0	-2.0 +0.6	X	X	Blocks Rgs #1 / 3 Rgs #2 / 3
ATC CLEARANCE: 75.0 AS20 SQ CL/TO R/130 R/120 716.0 717.0 CLRD 49.0 VFR 720.0 #1000S D7MIA 46.0 29.91 43.0									
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									

76.0

75

18.11.02 870929I 0A0/FTRK 21:04:34

14.0

