

19870930II-FDIR

Error summary I870930 Ocean cumulus #2

- 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,
and were not removed during take-off and landing.
- Slip angle : A 3-minute glitch in slip angle occurred at 19:22. This
glitch was removed, and there should be no noticable
effect on the vertical winds.

	Take off	Landing
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Aircraft static pressure	1008.8mb	1006.0mb
Corrected tower pressure	1010.3mb	1007.0mb

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

FLT ID: 870930I	FM: MIA	TO: MA
FLT NO: 87-76	BLK IN: 21:29	ATA: 2126
ETD: 1300	BLK OUT: 17:53	ATD: 1808
ETE: 500	BLK TIME: 3:32	FLT TIME: 3:14
SPONSOR ORG: HRD	PROGRAM: ALURE '87	PURPOSE: RESEARCH

OAO PERSONNEL

RC GENZLINGER ✓	SYS ENG SCHRICKE ✓
CP GILERS ✓	DATA SYS LYNCH ✓
NAV HEADPERSON SECRETAN ✓	RADAR LIND ✓
FE RICCI ✓	BT/ODW GONZALES ✓
RADIO	CLD PHYS
FD MASTERS	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
GAMACHE, J. ✓		HRD
DORST, N. ✓		"
BLACK, M. ✓		"
WILGGERT, V. ○		"
LYNCH, MRS. ✓	VISITOR	

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

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 OROWF2 FILE

FLT ID: 870930 I TIME OFF: 2126 TIME ON: 1808

	R/C T/O	WX STN	R/C LAND	WX STN
PRESSURE	AL CAB 1010.3 1009.5 6 "	RW	1007 R 1006.2	

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	1	
FAST FLT LVL TAPES		
RADAR TAPES	6	
DOPPLER TAPES	10 3	
ODW CASSETTES		
HARD COPIES		
C.P.	7	
AXBT		
AXCP		
ODW		

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON	✓	✓	✓		
OFF					
RATE					

REMARKS

PROPOSED T.O.	1700 ±
ACTUAL T.O.	1809 ±

[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		Y	N		5	1742	2130	3448	-2.4	+0.8	1
INS 2 IMU		Y	N		2	1742	2130	3448	-3.9	-0.2	2

OTHER REMARKS:

Page 2