

19800911.F012

DATA SECTION WORK FORM NO.1 DROWF1 FILE

FLT ID: 880908I	FM: KmIA	TO: KmIA
FLT NO: 88-53	BLK IN: 09/03352	ATA: 03292
ETD: 18002	BLK OUT: 18122	ATD: 18212
ETE: 9+30	BLK TIME: 9+23 (9.4)	FLT TIME: 9+08 (9.1)
SPONSOR ORG: HRD	PROGRAM: SYNOP FLOW	PURPOSE: T.S. Envelope

OAO PERSONNEL

AC GUNNOR	SYS ENG SCHARICKEA ✓
CP LAYDON ✓	DATA SYS JARVI ✓
NAV GERISH ✓	RADAR
FE FLEURY ✓	BT/ODW GONZALEZ ✓
RADIO NUNN ✓	CLD PHYS
FD BOGERT ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
MARKS, F. ✓	DOPPLER	HRD
WILLOUBY, H. ✓	ODW	U
FRANKLIN, J. ✓	ODW	U
DORST, N. ✓	ODW	U
EVANS, JENNY ✓	VISITOR	U

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

ASDL/DATA SYSTEMS PROBLEMS @ 18412 ~ 18452
 1910Z ASDL BURST @ -1905 ↓ CHG ASDL TRANSMITTER/TEST
 1900Z CUBA DOES NOT ALLOW OVERFLIGHT - CHG FLTRACK AROUND
 W'RN END & SOUTH CUBA...

DATA CLOCK ~ 55-59 SECONDS FAST...

2003Z CTR @ 24-02N 89-20W (A.F.)

0010Z CTR @ 24-12N 89-12W (A.F.)

Land: ALT 2996/1014mb

1500' PS 963

SP 106

SFC SP 1014.0

PS 1013.7

"ONLY -"
"TROP. STORM"

2 PENETRATIONS

FLT ID: 880908T TIME OFF: 1821Z TIME ON: 09/0329Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE			PS 1013.7 SP 1014.0	1014.0

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	1	
FAST FLT LVL TAPES	0	
RADAR TAPES	2	
DOPPLER TAPES	0	
ODW CASSETTES	11	
HARD COPIES	0	
PMS	5	
AXBT	11	
AXCP	0	
ODW	27	

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

Lat: 101.1085 Lon: 101.1085
 EOP 29 1085
 101 92
 0.1085 101.1085

Hurricane Research/Recco 1988

880908I1 T.S. FLORENCE ODW MISSION (N43RF)

TYPE OF DATA

SENSOR OR OPTION

INE	1
Accelerometer	1
Temperature probe	1
Altitude change option (for vertical winds)	RA
Static pressure	Rosemount (fuselage)
Dynamic pressure	Rosemount (fuselage)
Time source	Micro 29
Constants file	C03883.CON

Notes:

1. HIGH LEVEL EYE PENTS. AT 2003Z & 0010Z.
2. RAMS SYS. CRASH AT 184130Z-184310Z
3. RAMS SYS. TIME(S) FAST BY 59 SECONDS THRU OUT FLT.
ODW SYS. TIME IS O.K.
4. RENAV'D FLIGHT UTILIZING INE#1.
5. TW1/DP PROBLEMS 233700Z - 002100Z; PSBLY WITH
ICE CHUNKS...
6. LIQUID WATER (LW) PROBLEMS (MINUS VALUES)
002740Z - 010820Z.

	Take Off	Landing
Aircraft Static Pressure	1012.6 mb	1013.7 mb
Corrected Tower Pressure	1013.4 mb	1014.6 mb

Phil Bogert

FLIGHT PLAN

PROPOSED T.O.

ACTUAL T.O. 1820

WAY POINT	TO	RTE	ALT	TAS	TC	W DC	V	TH	VAR	MH	GS	ZONE DIST	TOTAL DIST	ZONE TIME TOTAL TIME	PROPOSED ETA	ETA ATA
	054 25 40 80 06															
2	UR 05 24 00 79 00											118		+25	+25	1850 1853
X	25 54 79 00											(65)		(+13)	+41	1901
ADIR	20 35 79 00											203	328	+48	1+12	1932
TURN	20 00 82 00											173	498	+35	1+47	2007
FIR	19 07 83 12											85	583	+14	2+05	2025
ADIR	18 20 84 00											60	643	+12	2+17	2037
TP	19 30 85 20											90	733	+18	2+35	2055
	19 15 85 20											90	823	+12	2+53	2113
ADIR	20 30 84 30											90	913	+15	3+11	2133
FIR	22 00 86 00											120	1033	+24	3+35	21
ADIR	23 00 87 00											85	1119	+17	3+52	
TP	23 00 92 00											265	1383	+53	4+45	
	21 30 93 30											125	1508	+25	5+10	
	20 00 92 00											85	1593	+17	5+27	
												195	1788	+39	6+06	
Del	23 00 89 30											236	2024	+50	6+56	
6040	24 30 88 00											100	2124	+19	7+15	
	24 30 83 00											270	2394	+51	8+06	
	MIA											170	2564	+25	8+41	

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		N	N		5	1750	0334	9.7	3.1	3.9	0✓
INS 2 IMU		N	N		5	1750	0334	9.7	4.6	4.4	1

ALIGN REMARKS:

OTHER REMARKS:

A/C COMMANDER		NAVIGATOR		A/C NO.	MISSION NO.		TIME AIRBORNE		LOCATION	DATE	PROJ. NAME
Gunnace		Grensh		N 43			1820		MIA	9/8	FLORENCE
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		
1820			20 48 80 17		20 49 80 17				Take off		
2002	23 47.6 83 34.6	5	23 46.4 83 34.0	+1.2 +0.6	23 47.4 83 34.9	+0.2 +0.3			LORAN 7980 0123		
2054	21 07.0 85 06.7	5	21 06.6 85 07.2	+0.4 -0.5	21 07.3 85 07.9	-0.3 -1.2			LORAN 7980 01234		
2246	24 04.8 89 20.4	5	24 01.7 89 21.1	+3.0 -0.7	24 04.7 89 22.3	+0.1 -1.9			Over Eye		
2350	20 52.4 93 47.8		20 55.3 93 48.7	-2.9 -0.9	20 59.0 93 50.0						
2353	20 58.3 93 29.3	5	20 54.7 93 29.9	+3.6 -0.6	20 58.6 93 31.2	-0.3 -1.9			1 point control pattern of 1/2		
0104	23 48.0 89 06.3	5	23 44.2 89 07.9	+3.8 -1.6	23 49.4 89 09.2	-1.4 +2.9					
0242	28 33.6 83 47.8	5	24 27.6 83 50.6	+6.0 -2.8					LORAN 7980 01234 CBR 01		
0334	25 48.3 80 17.6	4	25 45.2 80 21.5	+3.1 -3.9	25 52.9 80 22.0	-4.6 -4.4			Block in Loran 25 48.3 80 17.6		
ATC CLEARANCE:											
ENROUTE CLEARANCES: < 5.0 < 3.0											
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



TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE

VERSI

T.S. FLORENCE

YYMMDD FLIGHT ID

880908

HHMMSS START TIME, -99999 TO DEFAULT TO BEGINNING OF DATA

181200

HHMMSS END TIME, 999999 TO DEFAULT TO END OF DATA

033500

HHMMSS TAKE OFF TIME

182100

FLIGHT DATA FILE NAME EX I860724.DAT (FOR DISK READ ONLY)

I880908.DAT

* NUMBER OF TAPE (I2)

01

* -----LOGICAL UNIT OF INPUT DATA (I1) 1 = DISK READ

1

* -----LOGICAL UNIT OF OUTPUT TAPE (I1)

9

* -----LOGICAL UNIT OF PRINTER (I1) 1 FOR PRINTER 13

6

* -----TODAY'S DATE (MMDDY)

11178

* -----DATE OF PROGRAM (MMDDY)

04158

* -----STATIC PRESSURE PROBE (I1)

* 1 = PSG

* 2 = PSR

2

* -----DYNAMIC PRESSURE PROBE (I1)

* 0 = PQG 4 = FUTURE USE

* 1 = PQR1 5 = FUTURE USE

* 2 = PQR2 6 = FUTURE USE

* 3 = PQR3 7 = FUTURE USE

1

* -----INE NUMBER (I1)

* 1 = INE 1

* 2 = INE 2

* 3 = OMEGA

1

* -----ACCELEROMETER (I1)

1

* -----TEMPERATURE PROBE (I1)

1

* -----PRESSURE OPTION (I1) - FOR VERTICAL WIND COMPUTATION

* 0 = PRESSURE ALTITUDE (OVER LAND)

* 1 = RADAR ALTITUDE (OVER WATER)

1

* -----PRINTOUT RATE, SECONDS (I2)

10

* -----WINDSPEED/DIRECTION RUNNING AVERAGE TIME, SECONDS (I2)

10

* -----TIME OPTION (I1)

* 1 = MICRO 29

* 2 = TIME BASED GENERATOR #1

* 3 = TIME BASED GENERATOR #2

1

* -----NAME OF CONSTANTS FILE EX C03863.CON

C03883.CON
