

19880916H2. FDIR

Hurricane Research/Recco 1988

880916H2 H. Gilbert Landfall Recco (N42RF)

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	C02886.CON

Notes:

Fixed a number of Slip Pressure (BP) spikes in the data between 163630Z and 164300Z. Bad points were manually removed and bridged across from previous and next good points.

Dynamic Slip Pressure (DBP) was also fixed when the data spiked in this period. It was replaced with PQR1 plus an offset noted just before and after the spikes.

A few other spikes in BP and DBP were removed and patched as above around 170000Z, 171230Z, and 171730Z, and between 211130Z and 211300Z.

A few Rosemount Static Pressure (PSR) spikes were removed and replaced with Garrett Static Pressure (PSG) around 172530Z, 184130Z, and 002200Z.

	Take Off	Landing
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Aircraft Static Pressure	1021.0 mb	1018.0 mb
Corrected Tower Pressure	1020.0 mb	1016.6 mb

Jack Parrish

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TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE
H. Gilbert Landfall RECCO
YYMMDD FLIGHT ID
880916H2
HHMMSS START TIME, -99999 TO DEFAULT TO BEGINNING OF DATA
151321
HHMMSS END TIME, 999999 TO DEFAULT TO END OF DATA
003820
HHMMSS TAKE OFF TIME
153100
FLIGHT DATA FILE NAME EX I860724.DAT (FOR DISK READ ONLY)
H880916.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)
6
* -----TODAY'S DATE (MMDDY)
11038
* -----DATE OF PROGRAM (MMDDY)
10157
* -----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.DAT
C02886.CON
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U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.1 OAOWF1 FILE

FLT ID: 880916 H2	FM: KMIA	TO: KMS4
FLT NO: 88-60	BLK IN: 0038	ATA: 0033
ETD: 152	BLK OUT: 15212	ATD: 1530
ETE: 9+	BLK TIME: 9:17	FLT TIME: 9:02
SPONSOR ORG: NITC	PROGRAM: RECCO	PURPOSE: Gilbert

OAO PERSONNEL

AC Eilers ✓	SYS ENG Jarvi ✓
CP Laydon ✓	DATA SYS Thompson ✓
NAV Nohat ✓	RADAR McFallen ✓
FE Wade, Glenn ✓	BT/ODW Kinney ✓
RADIO Dunn ✓	CLD PHYS
FD Parrish ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Brown, Malcolm ✓		Langress RITA
Burke ✓		
Cashe ✓		
Lemington, Glenn ✓		Houston, Conrad

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

MD 2012 24.3, 96.8, 300/17 GMT 18, 21, 002 Fixes
 FIX 18512 - 23°58'N, 97°05'W - 954 mb - 155/115KT
 FIX 19322 - 23°59'N, 97°11'W - — 220/85KT
 FIX 21142 - 24°07'N, 97°30'W - 955 mb - 110/97 KT

3 penetrations - 2 dropsondes

2350Z SP 216.0 Fm 2K
 80/79 SP 1015 Fm 750'
 CALM 140/3
 30.02 27/26