

19910807I1-FDIR

CaPE Research Flight #2

910807I

TYPE OF DATA

SENSOR OR OPTION

INE	2
Accelerometer	1
Temperature probe	1
Altitude change option (for vertical winds)	RA (APN-159)
Static pressure	Rosemount fuselage
Dynamic pressure	Rosemount fuselage
Time source	Micro 29
Constants file	CO3913.CON

Notes:

The spike in Dewpoint before takeoff and at 190140z is to balance the instrument and was not removed.

The APN-159 Radar Altimeter was slightly noisy during the flight, causing the Surface Pressure and Geopotential Height calculation to also be slightly noisy. No filtering was attempted.

There are several brief data (time) gaps on this flight.

If using Record 4, Total Temp 2 shifted too cold between 1822z and 2009z. TT1 was used for all Record 5 calculations.

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.

	Take off -----	Landing -----
Aircraft static pressure	1020.0mb	1018.8mb
Corrected tower pressure	1021.3mb	1019.0mb

Jack Parrish, Flight Director

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TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE
CaPE Flight #2
YYMMDDL      FLIGHT ID EX: 890808I
910807I
HHMMSS START TIME    -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
183001
HHMMSS END TIME      999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
214500
HHMMSS TAKE OFF TIME
183900
* NUMBER OF TAPE (I2)
01
* -----LOGICAL UNIT OF INPUT DATA (I1)  8 OR 9 FOR TAPE DRIVE
1                                           1 FOR READ FROM DISK
* -----LOGICAL UNIT OF OUTPUT TAPE DRIVE(I1)
9
* -----LOGICAL UNIT OF PRINTER (I1)
6
* -----TODAY'S DATE (MMDDY)
10231
* -----DATE OF PROGRAM (MMDDY)
07099
* -----STATIC PRESSURE PROBE (I1)
* 1 = PSRW (ROSEMOUNT WINGTIP)
* 2 = PSRF (ROSEMOUNT CO-PILOT/FUSELAGE)
2
* -----DYNAMIC PRESSURE PROBE (I1)
* 0 = PQRW (WNGTIP) 4 = FUTURE USE
* 1 = PQR1 (FUSLGE) 5 = FUTURE USE
* 2 = FUTURE USE    6 = FUTURE USE
* 3 = PQR3 (FUSLGE) 7 = FUTURE USE
1
* -----INE NUMBER (I1)
* 1 = INE 1
* 2 = INE 2
2
* -----ACCELEROMETER (I1) - USUALLY THE SAME AS YOUR INE #
1
* -----TEMPERATURE PROBE (I1)
1
* -----PRESSURE OPTION (I1) - FOR VERTICAL WIND COMPUTATION
* 0 = PRESSURE ALTITUDE (OVER LAND)
* 1 = RADAR ALTITUDE APN-159 (OVER WATER)
* 2 = RADAR ALTITUDE APN-232 (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 CO3863.CON
CO3913.CON
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