1990091911-FDIR

T.D. 11 VORTEX EVOLUTION

FLIGHT #1 1900919 N43RF

TYPE OF DATA	SENSOR OR OPTION	
INE	1	
Accelerometer	1	
Temperature probe	1	
Altitude change option	RA	
(for vertical winds)		
Static pressure	Rosemount fuselage	
Dynamic pressure	Rosemount fuselage	
Time source	Micro 29	
Constants file	CO3901.CON	

Notes:

There were no data/time gaps.

The aircraft positions were renavigated with respect to the terminal position. There was no good Loran coverage during the flight.

The ASDL malfunctioned midflight and did not transmit afterward.

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	1008.2mb	1004.2mb
Corrected tower pressure	no obs	no obs
corrected tower pressure	ne ebb	110 005

Jack Parrish

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TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE
T.D.11 VORT DYNAMICS
         FLIGHT ID EX: 8908081
YYMMDDL
900919I
HHMMSS START TIME -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
140331
HHMMSS END TIME 999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
234500
HHMMSS TAKE OFF TIME
140700
* NUMBER OF TAPE (I2)
01
* -----LOGICAL UNIT OF INPUT DATA (I1) 8 OR 9 FOR TAPE DRIVE
                                       1 FOR READ FROM DISK
1
* -----LOGICAL UNIT OF OUTPUT TAPE DRIVE (11)
4
* -----LOGICAL UNIT OF PRINTER (I1)
6
* -----TODAY'S DATE (MMDDY)
01221
* -----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
1
* -----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)
2
* -----PRINTOUT RATE, SECONDS (12)
10
* -----WINDSPEED/DIRECTION RUNNING AVERAGE TIME, SECONDS (12)
10
* -----TIME OPTION (I1)
* 1 = MICRO 29
* 2 = TIME BASED GENERATOR #1
* 3 = TIME BASED GENERATOR #2
* -----NAME OF CONSTANTS FILE EX CO3863.CON
CO3901.CON
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