

19900921 II - FDIR

T.D. 11 VORTEX EVOLUTION

FLIGHT #3 I900921 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	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.

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
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Aircraft static pressure	1007.8mb	1004.0mb
Corrected tower pressure	no obs	no obs

Jack Parrish

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TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE
T.D.11 VORTEX DYNAMICS
YYMMDDL      FLIGHT ID EX: 890808I
900921I
HHMMSS START TIME   -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
135501
HHMMSS END TIME     999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
220800
HHMMSS TAKE OFF TIME
140500
* 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)
4
* -----LOGICAL UNIT OF PRINTER (I1)
6
* -----TODAY'S DATE (MMDDY)
01281
* -----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 (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
CO3901.CON
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