

19891015I - FDIR

HURRICANE JERRY RECCO

"MYSTERY"
V-WINDS
FLIGHT

FLIGHT #3 891015I

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	CO3893.CON

Notes:

There were no data/time gaps.

Total temperature one, TT1, did behave well throughout most of the flight. However, during the time frame, 200839Z - 200924Z the TT1 values were replaced with TT2 values. Also from 200920Z to 201015Z the computed surface pressure values were erroneous due to wet bulbing of the TT1 probe. The J-W liquid water probe indicated values ranging from .4 - 1.0 g/m3 during the previously mentioned time frame.

The dewpoint sensor, TW1, behaved very erratically throughout most of the flight. This flight director attempted to balance/calibrate the dewpoint sensor during the following two time frames,

132301Z - 132700Z

135001Z - 135400Z

The spikes generated by the calibration were removed and patched over. Ironically the dewpoint sensor appeared to behave well when the aircraft encountered precip.

The aircraft positions were renavigated with respect to good LORAN-C positions.

	Take off	Landing
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Aircraft static pressure	1016.1mb	1014.3mb
Corrected tower pressure	1015.5mb	1014.7mb

Flight meteorologist: A. BARRY DAMIANO