

19900831I1 FDIR

HURRICANE GUSTAV ENERGETICS (HRD)

900831I N43RF

TYPE OF DATA

SENSOR OR OPTION

INE	1
Accelerometer	1
Temperature probe	1
Altitude change option (for vertical winds)	RA (APN-232)
Static pressure	Rosemount fuselage
Dynamic pressure	Rosemount fuselage
Time source	Micro 29
Constants file	CO3901.CON

Notes:

INE#1 was renavigated using six Loran fixes, three before the Loran dropout, three after, and the terminal position. Loran was available at the first and last parts of the flight, but dropped out between 180730z and 210500z.

The APN-159 radar altimeter was bad the whole flight.

Accelerometer #2 was inop for the flight.

The Side Radiometer (RS) drifts gradually cold when at high altitude.

Total Temp #2 shifted cold in the ice between 1935z and 2120z. No patching was done as we used TT1 for the TA calculation.

Two brief Dewpoint Temp (TD) balance spikes were patched.

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	1018.0mb	1018.2mb
Corrected tower pressure	1017.1mb	1017.6mb

Jack Parrish, Flight Director