19900830I1.FDR

HURRICANE GUSTAV VORTEX EVOLUTION (HRD)

900830I   N43RF

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

Notes:

INE#1 was renavigated using the terminal correction at 2309z.
Loran became available at 2146z, but no Loran correction to INE1
was necessary after this time.

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.
It may have some use at the 5000 foot level.

Dewpoint temp (TD) exceeds ambient temp (TA) often at penetration alti-
tude due to a lot of liquid water.

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   1015.1mb   1015.0mb

Corrected tower pressure   1014.4mb   1014.5mb

                              Jack Parrish, Flight Director