

19890918I1-FDIR

890918I N43RF Hurricane Hugo Research

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	C03893.CON

Notes:

INE1 was selected for the standard tape parameters, with no renavigation attempted.

Loran positions on the Type 4 record are not valid until about 2159Z.

Three eye penetrations occurred on this flight. An ODW dropped on the first penetration was used for the Vortex surface pressure.

An RA instrument failure near landing in Miami is patched with our other source of RA. Several apparent RA spikes (downward) from 175430Z to 180000Z are real, as 43 flew across Martinique. The spikes in the Vertical Winds are not valid during this time, and WZ requires about 2.5 minutes afterward to recover to reasonable values.

A Total Temp 1 spike at landing in Miami is removed and patched.

A Dewpoint Temp spike at landing in Miami is removed and patched.

	Take off	Landing
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Aircraft static pressure	1005.4mb	1010.0mb
Corrected tower pressure	1005.5mb	N/A

Jack Parrish, Flight Director