

19940924I1-FDIR

940924I N43RF HURRICANE OLIVIA HRD RESEARCH

<u>Sensor or system</u>	<u>Number or Name</u>
INE	1 (See note)
Accelerometer	1
Temperature Probe	1
Dew Point Probe	1
Altimeter	APN-232 (See note)
Altitude change option (for vertical winds)	RA
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 29
Constants File	CO3943.CON

Notes:

INE 1 positions were corrected every hour during the ferries, and about every 40 minutes while in the storm, using good GPS positions. No corrections were made to INE 1 groundspeeds. INE 2 was used for cockpit attitude instruments only, and provides no position or groundspeed information on the Type 4 record.

Due to ADC spiking, the Fuselage Static Pressure (PSF) was patched with offset Wingtip Static Pressure (PSW) several times during the ferry out to Olivia. The problem was repaired before we arrived at the storm.

The APN-159 radar altimeter failed at takeoff, and was unusable for the flight's duration.

	<u>Aircraft</u>	<u>Tower</u>
Takeoff surface pressure	1012.0 mb	1013.0 mb
Landing surface pressure	1009.5 mb	

Jack Parrish, Flight Director