19980819I1—FDIR

HURRICANE BONNIE (FERRY TO ST. CROIX)

Flight 1   980819I   N43RF

DATA TYPE	SENSOR or OPTION
INE	1
Accelerometer	1
Temperature Probe	2
Altitude (for vertical wind)	RA APN-232
Static Pressure	Fuselage
Dynamic Pressure	Fuselage
Dewpoint Probe	2

Notes:

Aircraft INE #1 positions were renavigated with respect to GPS.

Both temperature probes displayed upward and downward spurious spikes in heavy precip near Puerto Rico.

Dewpointer #1 unusable during flight. Dewpoint temperature execeeded ambient temperature several times during the mission when heavy precip was encountered.

APN-159 radar altimeter very spiky during flight due to close proximity to N42RF. Downward spikes in radar altimeter APN-159 data are a result of overflying land.

Radome attack pressure (not used in wind calculations) froze late in flight due to radome icing.

SPECIAL NOTE!!! Locations 80, 81 and 82 of record five on the standard tape contain vertical ground, vertical air and vertical wind speeds, respectively, derived from Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

	Takeoff	Landing
Aircraft static pressure	1013.6 mb	1009.9 mb
Corrected tower pressure	1014.1 mb	1010.5 mb

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