

1999116I - FDIR

Hurricane 1999 Hurricane Lenny Recco

Flight #11: 991116I

<u>Sensor or system</u>	<u>Number or Name</u>
INE	1
Accelerometer	1
Temperature Probe	1
Dew Point Probe	2
Altitude (for vertical wind)	Radar Altitude (RA-159)
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO3993.CON

Notes:

There were four (4) small time gaps 1248:57-1249:00, 1250:21-1250:40, 1656:11-1659:30, and 1701:51-1702:10.

The radar altimeter (RA159) had a spike at takeoff and was replaced by RA232 from 0758:01-0805:33. A spike also occurred on landing and RA159 was replaced by RA232 from 1740:39-1752:00. Several (downward) spikes in RA159 are due to overflying land.

Dewpoint (DW2) exceeded ambient temperature (AT1) several times due to precipitation. DW2 appears to be less responsive in such dry conditions (1000:00-1036:00) and was replaced by DW1 from 1010:33-1036:11. A spike was removed and patched 1036:30-1037:00.

Static pressure (PSF) had a few spikes removed and patched 1216:30-1217:30, 1221:00-1221:30, 1221:30-1222:30 (4), 1223:00-1223:30, 1225:00-1225:30, and 1341:00-1345 (5).

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1008.4	1008.8
Corrected tower pressure	1009.5	1010.8

The aircraft INE positions were re-navigated with respect to GPS.

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. It is recommended that these values be used for vertical wind analysis.

Flight Meteorologist: Stan Czyzyk, (813) 828-3310 ext. 3086

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO. 1 OAOWF1 FILE

FLT ID: 991116Z	FM: KMCF	TO: KMCF
FLT NO: 00-	BLK IN: 1753Z	ATA: 1747Z
ETD: 08Z	DLK OUT: 0754Z	RTD: 0803Z
ETE: 1730Z	BLK TIME: 9.59 10.0	FLT TIME: 9.44 9.7
SPONSOR ORG: NOAA/NHC	PROGRAM: RECCO	PURPOSE: HURR LENNY

OAO PERSONNEL

AC MCKIM, G ✓	SYS ENG GOLDSTEIN, A ✓
CP UMARA, T ✓	DATA SYS ROLES, J ✓
NAV RATHBUN, D ✓	RADAR
FE WADE, S ✓	BT/ODW HILL, J ✓
RADIO ROGERS, M ✓	CLD PHYS
FD CZYZK, S ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
WALSH, E ✓	SRA	NASA
SETZER, C ✓	MEDIA	CH-8 WFLA
MORAN, M ✓		AOC
YOUNG, D -		"
MCNERNEY, E -		"

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

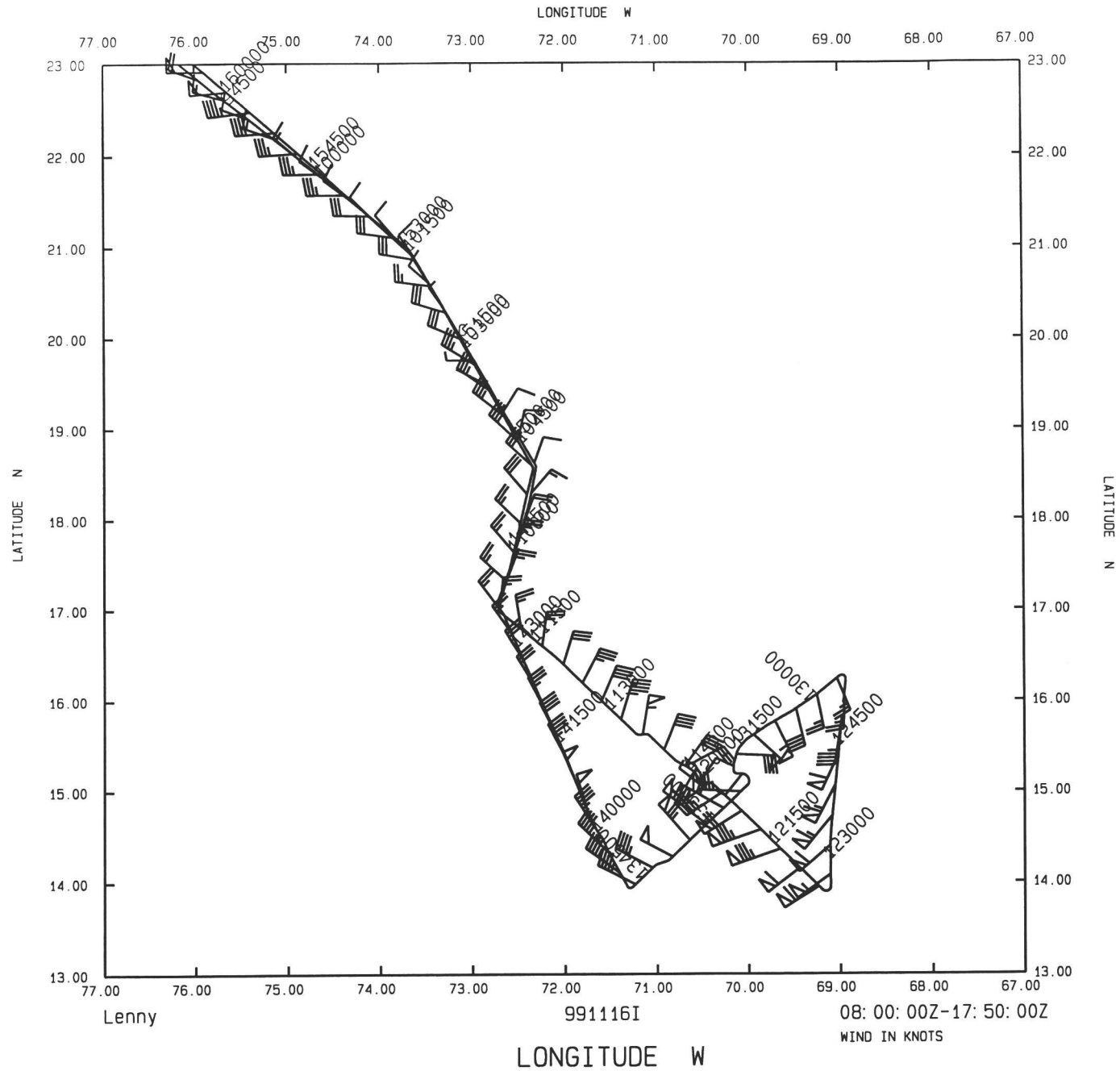
BAL OWI 0831Z, OUT

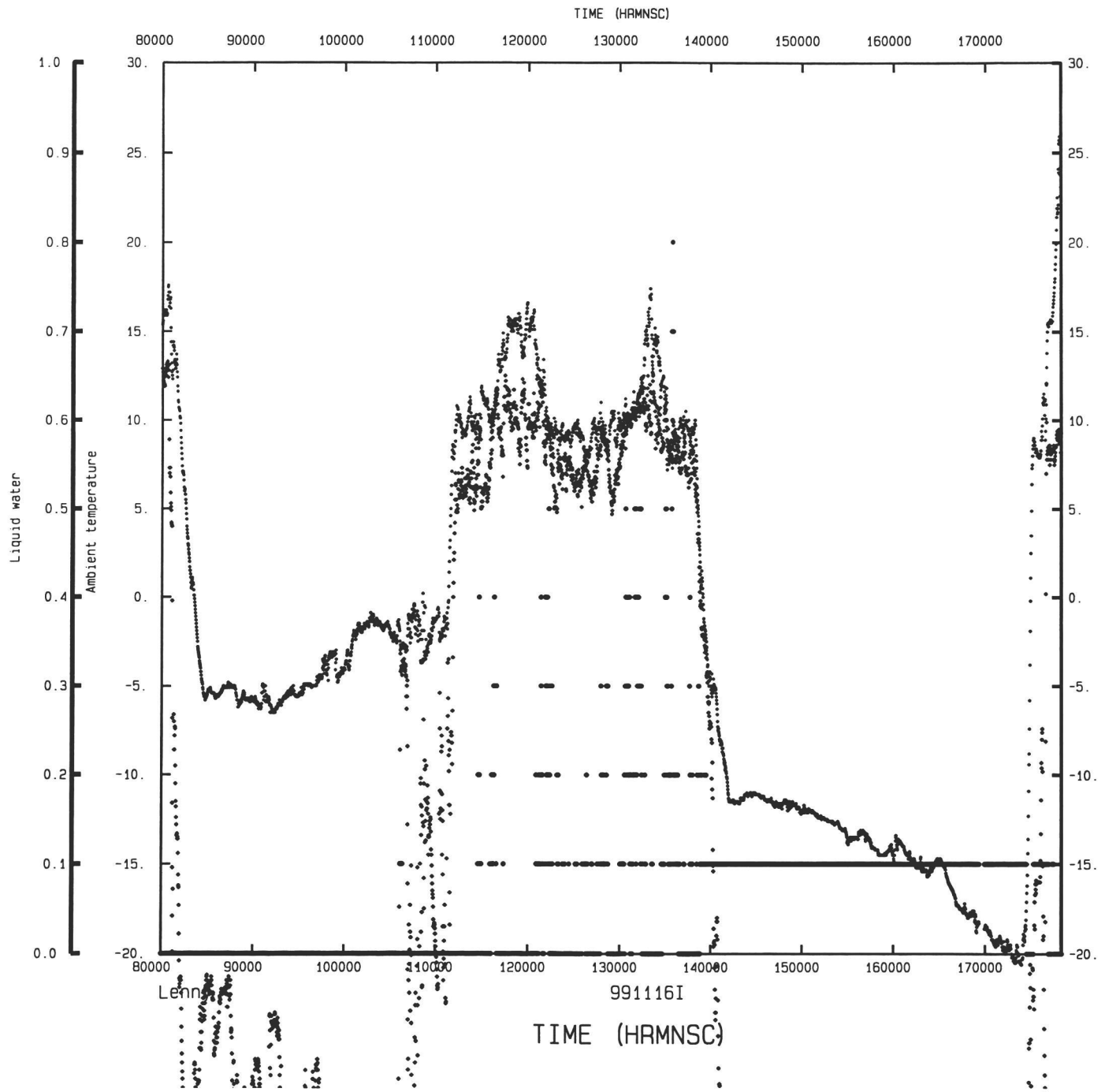
1201Z 6B19Z

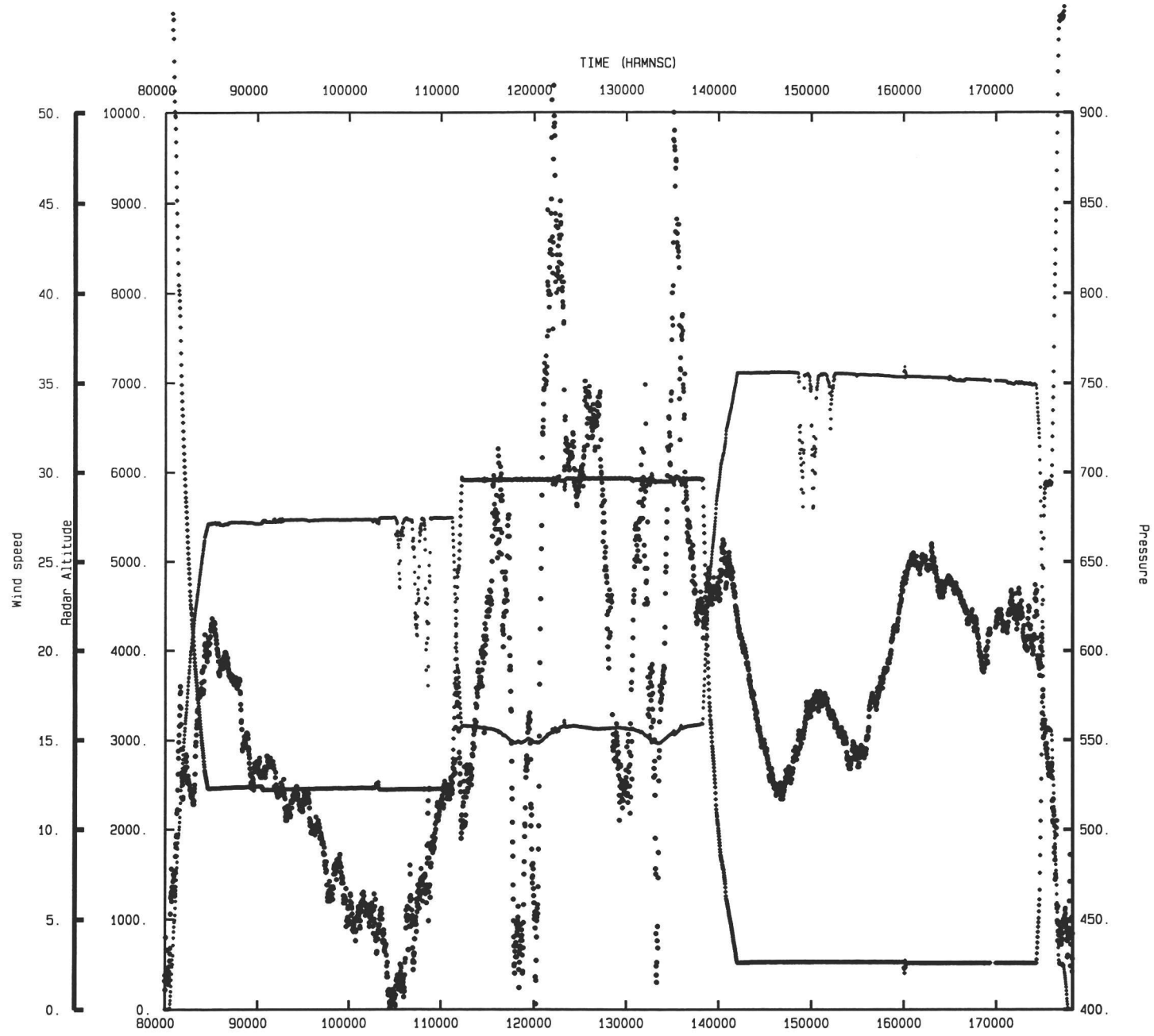
977MB 973MB

MISSION PREFLIGHT LOG						NAVIGATOR			AIRCRAFT COMMANDER			FLIGHT DIRECTOR		SCHEDULED / ACTUAL TAKEOFF Z		DATE OF TAKEOFF		
DESTINATION		MISSION																
KMCK → KMCK		LANNY				RATHBUN			MCKIM			CZYZYK		0800Z' 0803Z		16 Nov 99		
WP	LAT / LON	RTE	MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	LEG / TOT DIST	LEG / TOT TIME	PROP ETA	ETA	ATA	REMARKS
1	27 50.9 82 29.5																	
2																		
3	25 48.0 80 20.9																	
4																		
5	24 26.0 77 43.5																	
6																		
7	23 55.7 75 55.9																	
8																		
9	20 08.7 73 13.1																	
1																		
2	17 00.0 72 43.6																	
3																		
4	15 11.2 70 06.6	LPS 7																
5																		
6	16 18 68 55																	
7																		
8	15 04.2 73 12.0																	
9																		
1	19 34.6 72 19.3	1435																
2																		
3	25 47.3 79 17.7																	
4																		

5 LBU 2649.7 8123.5 6 PIE 2754.5 8241.1 7 MCK 2750.9 8229.5







Lenny

991116I

TIME (HRMNSC)



NOAA/HRD