

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 renavigated 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: 991116	FM: KMCF	TO: KMCF
FLT NO: 00-	BLK IN: 1753Z	ATA: 1747Z
ETD: 08Z	DLK OUT: 0154Z	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 OMARA, T	DATA SYS ROLES, J
NAV RATHBUN, D	RADAR
FE WADE, S	DT/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 MEDIA	NASA
SEIZER, C		CH-8 WFLA
MORAN, M		AOC
YOUNG, D		"
MCNERNEY, E		"

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

BAC OWI 0831Z, OUT

1201Z 977MB

519Z 973MB

U.S. DEPT. COMM./NOAA/ODD - DATA SECTION WORK FORM NO.2 OROWF2

FLT ID: 991116I

TIME OFF: 0803Z

TIME ON: 1747Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1008.4	1008.5 29.81	1008.8	29.85

NO

DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	2	
FAST FLT LVL TAPES		
RADAR TAPES	1	
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES	2	
AXBT		
AXCP		
ODW		
GPS	4	

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

991116H

[illegible]

NOAA FORM 56-49
(2-95)

MISSION PREFLIGHT LOG

MISSION

DESTINATION

NAVIGATOR

AIRCRAFT COMMANDER

FLIGHT DIRECTOR

SCHEDULED / ACTUAL TAKEOFF Z

DATE OF TAKEOFF

WP

LAT / LON

RTE

MH

VAR
+E==>

TH

DR
+R==>

TRK

GS

WD

WS

ALT

TAS

LEG / TOT
DIST

LEG / TOT
TIME

PROP
ETA

ATA

REMARKS

1

27 50.9
82 29.5

2

26 49.7
81 23.5

3

25 48.0
80 20.9

4

25 42.3
79 17.7

5

24 26.0
77 43.5

6

24 09.7
77 23.8

7

23 55.7
75 55.9

8

20 57.6
73 40.6

9

20 08.7
73 13.1

10

19 34.6
72 19.3

11

17 00.0
72 43.6

12

17 13
72 52

13

15 11.2
70 06.6

LOS

14

13 57
69 17

15

16 18
68 55

16

13 57
71 27

17

15 04.2
73 12.0

18

13 00
72 43.6

1435

19

18 34.6
72 18.3

1435

20

20 57.6
73 40.6

1318

21

23 42.3
79 17.7

1330

22

25 42.3
79 17.7

23

25 48.0
80 20.9

24

26 49.7
81 23.5

25

27 50.9
82 29.5

INS PERFORMANCE

INS 1

INS 2

BEGIN ALIGN TIME

05432

ALIGN STATUS (0-5)

0

END NAV TIME

17502

START NAV TIME

07502

DELTA T

10400

TERMINAL ERRORS

INS 1

INS 2

DELTA LAT

-1.8

-4.5

DELTA LON

+1

-1.2

RGS

2

2

RADIAL ERROR

2

5.

REMARKS

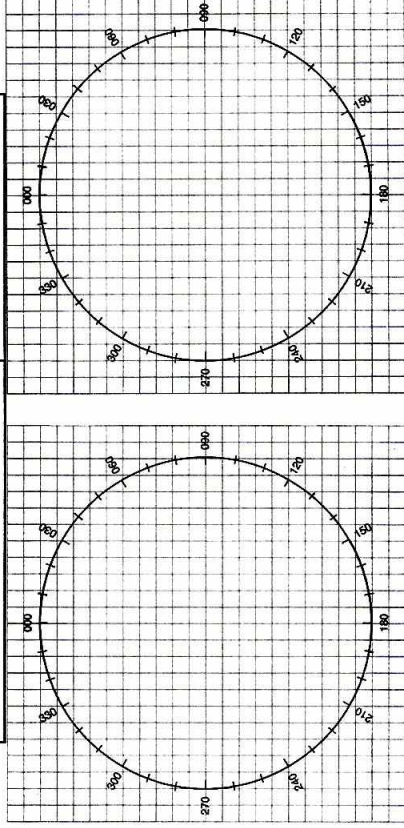
U.S. DEPARTMENT OF COMMERCE
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
AIRCRAFT OPERATIONS CENTER

5 LBU 2649.7
8123.5

6 PIF 2754.5
8241.1 7 MCK 2750.9
8229.5

CLEARANCES				
FREQ	ALT	HDG	OTHER	
090/18.5			TEMP 56	
075/117				
			1506 7142 0707Z	
			971MB 977MB	
0609	0606			
448	450		135/150	
1057	1056			

POSITION REPORT



TRANSMIT THE FOLLOWING MESSAGE TO ANY AGENCY ON THE AIR-GROUND FREQUENCY IN USE. IF UNABLE TO ESTABLISH COMMS, ATTEMPT CONTACT ON ANY OF THE FOLLOWING EMERGENCY FREQUENCIES:

UHF/VOICE	VHF/VOICE	MF/VOICE	HF/CW	MF/CW
243.0	121.5	2182 KHZ	8364 KHZ	500 KHZ

MAYDAY, MAYDAY, MAYDAY

THIS IS NOAA _____, NOAA _____, NOAA _____

- POSITION _____ N/S _____ E/W AT _____ Z _____

- HEADING _____ TRUE/MAG _____

- AT _____ KTS TRUE/INDICATED

- FLIGHT LEVEL OR ALTITUDE _____

- WE ARE A P-3 AIRCRAFT

**- NATURE OF EMERG
ASSISTANCE DESIG**

- ASSISTANCE DESIRED
- BILL OF INTENTIONS

[illegible]