

19980925H1-FDIR

Hurricane Georges Recco Flight #3

Flight #15 H980925

Sensor or system

Number or Name

INE	1
Accelerometer	2
Temperature Probe	2
Dew Point Probe	1
Altitude (for vertical wind)	RA-159
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO2989.CON

Notes:

The radar altimeter (RA159) had a spike at takeoff and was replaced by RA232 from 1026:01-1032:29. Several spikes in RA159 were removed and patched throughout the flight (1155:00-1155:30, 1212:30-1213:30(2), 1226:30-1227:00, 1234:00-1234:30, 1236:30-1237:30, 1242:30-1243:30, 1244:00-1244:30, 1250:30-1251:30, 1253:00-1253:30, 1302:00-1303:00(2), 1307:30-1308:00, 1326:30-1327:30, 1333:30-1334:00, 1337:00-1338:00, 1343:00-1345:30(3), 1413:30-1414:30, 1432:00-1432:30, 1510:30-1511:00, 1543:00-1543:30, 1557:00-1557:30, 1614:00-1614:30, 1620:00-1620:30, 1622:30-1623:30, 1626:00-1626:30, 1642:00-1642:30, 1652:00-1652:30, 1655:00-1656:00, 1658:30-1659:00, 1703:00-1703:30(2), 1704:30-1705:00, 1709:00-1709:30, 1714:00-1714:30, 1726:30-1727:00, 1730:00-1730:30, 1733:00-1734:00(2), 1739:30-1741:00(2), 1745:30-1746:30, 1800:30-1801:00, 1816:00-1816:30, 1831:00-1831:30, 1832:30-1833:00, 1836:30-1837:30, 1841:30-1842:00, and 1842:30-1843:30). A spike also occurred just prior to landing and RA159 was set to zero (1854:13-1901:00).

There were several small spikes in static pressure (PSF) throughout the flight, most being less than 1 mb.

Dewpoint temperature (DW1) exceeded ambient temperature (AT2) several times due to heavy precipitation.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1011.2	1010.0
Corrected tower pressure	1012.2	1011.9

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

413-50

[illegible]

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

FLT ID: 980925H	FM: KTPA	TO: KTPA
FLT NO: 98-081	BLK IN: 1859Z	ATA: 1854Z
ETD: 1030Z	BLK OUT: 1018Z	RTD: 1030Z
ETE: 1830Z	BLK TIME: 8.41 8.7	FLT TIME: 8.24 8.4
SPONSOR ORG: NOAA/NHC	PROGRAM: RECCO	PURPOSE: #1000 GEORGES

OAO PERSONNEL

AC PHILIPPSBORN, R ✓	SYS ENG
CP KENUL, P / TAGGART, B	DATA SYS DUGRANT, J ✓
NAV RATHBUN, D	RADAR
FE BAST, G ✓	DT/ODW GOLDSTEIN, A ✓
RADIO ROGERS, M	CLD PHYS
FD C2424K, S ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
LEIGHTON, P ✓	SCIENTIST	HRD
GAMACHE, J ✓	"	"
POPSKEANITA, I ✓	USDR/CSSAT	QUADRANT
HOOPER, D	MEDIA	CBS
COOPER, M	"	"
RAWEY, R	"	"

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

6 PENETRATIONS

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 OAOWF2

FLT ID: 980925H

TIME OFF: 1030Z

TIME ON: 1854Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1011.2	29.89	1010.0	29.88

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES	2	
FAST FLT LVL TAPES		
RADAR TAPES		
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES	1	
AXDT		
AXCP		
ODW		
6PS	7	

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

052/44

TRANSMISSION
FREQUENCY
ANY OF THE
UHF/VHF
243.0
MAYDAY
THIS IS
- POSITION
- HEADING
- ALTITUDE
- FLIGHT
- WEATHER
- NATIONALITY
- ASSISTANCE
- PILOT
- WEAPON

[illegible]

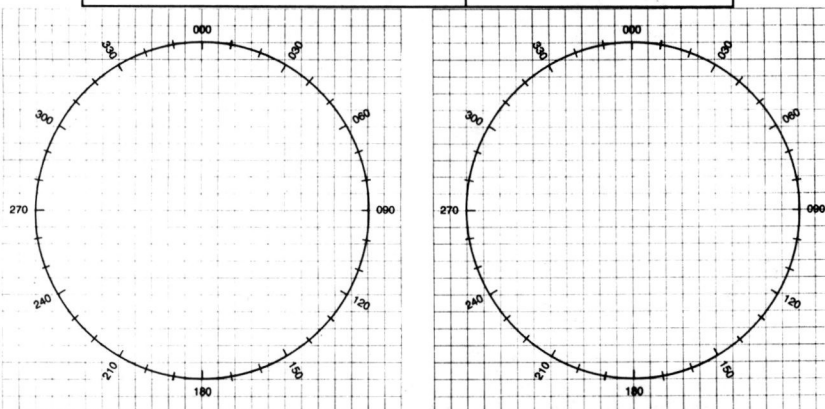
321/39

312/11.6

OTHER
2435
8050
5254
3 8209
120/18

MISSION LOG

PAGE ____ OF ____



POSITION REPORT
1. POSITION
2. TIME
3. ALTITUDE
4. NEXT POSITION
5. ETA
6. NEXT POSITION

EMERGENCY MESSAGE
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 243.0 VHF/VOICE 121.5 MF/VOICE 2182 KHZ HF/CW 8364 KHZ MF/CW 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 WITH _____ SOULS ON BOARD
- NATURE OF EMERGENCY _____
- ASSISTANCE DESIRED _____
- PILOT INTENTIONS _____
- WE HAVE _____ ENDURANCE REMAINING

POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
																		END 39 ALC BLOCK OUT TAKEOFF
38.2	+1.6	2638.8	0															
09.7	0	8209.4	+1.3			164	7R	171	283	070	37	15K	279					
49.9	+1.9	2351.1	-1.3															
17.9	-1.0	8116.7	+1.2			138	3L	135	250	270	23	5K	235					
08.1	+1.8	2510.4	-1.5															
44.4	-1.8	7943.1	+1.5			009	9L	000	275	144	63	5K	225					
07.2	+1.2	2409.2	-1.8															
30.7	-1.2	8129.4	+1.1			234	5L	229	235	344	17	5K	227					
08.4	+1.5	2411.9	-3.0															
40.3	-1.2	8138.5	+1.6			000	1L	359	229	034	13	5K	235					
00.9	+2.3	2504.7	-1.5															
32.7	-1.5	8230.6	+1.6			208	9R	217	267	217	74	5K	225					
15.1	+1.8	2419.9	-4.0															
56.4	-1.5	8153.5	+1.4															
24.2	+3.2	2429.9	-2.5															
08.2	-1.7	8005.3	+1.2			106	16L	090	191	157	62	5K	222					
13.6	+1.9	2436.8	-5.3															
09.7	-1.7	8205.3	+2.7			180	1L	179	219	197	16	5K	230					
29.4	+2.4	2436.7	-4.9															
29.0	-2.5	8224.3	+2.2			321	6L	315	233	316	45	5K	231					
55.1	+3.7	2803.7	-4.9															LAND BLOCK IN
34.6	-3.0	8229.4	+2.2															

MISSION PREFLIGHT LOG

NAVIGATOR

AIRCRAFT COMMANDER	
--------------------	--

FLIGHT DIRECTOR

SCHEDULED / ACTUAL TAKEOFF Z	
------------------------------	--

Z	DATE OF TAKEOFF
---	-----------------

DESTINATION	
-------------	--

MISSION

КТРА-КТРА-КСАН 660665

NATHAN

RH111PP5BORN

1247411

14447 14293

2000

[illegible]

