

# Hurricane Georges Synoptic Flow/ Ferry to Barbados

Flight #10 H980918

<u>Sensor or system</u>	<u>Number or Name</u>
INE	1
Accelerometer	1
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 GPS from 1552:11-1559:30. Several spikes in RA159 were removed and patched throughout the flight (1746:00-1747:00, 1750:00-1751:00, 2011:30-2012:00, 2016:30-2017:00, 2033:30-2034:30, 2114:00-2114:30, and 2125:00-2126:00). A spike also occurred just prior to landing and RA159 was replaced by RA232 (2130:30-2136:00). Dips in radar are due to overflying land (1943:00-1952:00 (Puerto Rico), 2003-2007 (St. Croix) and 2102:00-2104:00 (Martinique)).

Dewpoint (DW1) had a spike removed and patched (1646:00-1649:00). Dewpoint (DW1) exceeded ambient temperature (AT2) at times due to heavy precipitation.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1010.8	1005.7
Corrected tower pressure	1012.9	1012.2

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 OAO WF 1 FILE

FLT ID: 980918H	FM: KMCF / KOPF	TO: KOPF / TBPB
FLT NO: 98-076	DLK IN: 1408Z / 2136Z	ATA: 1404Z / 2133Z
ETD: 1300Z / 1530Z	DLK OUT: 1306Z / 1542Z	RTD: 1315Z / 1556Z
ETE: 1400Z / 2130Z	DLK TIME: 6.56 6.9	FLT TIME: 6:26 6.4
SPONSOR ORG: NOAA/HAD	PROGRAM: SYN. FLOW	PURPOSE: FERRY TO BARB. MISSION <small>ANNAL GONDES</small>

OAO PERSONNEL

AC PHILLIPS BORN, R ✓	SYS ENG ROLES, J ✓
CP KENUL, P / TAGGART, B ✓	DATA SYS
NAV RATHBUN, D ✓	RADAR BARR, J
FE BAST, G / TORREY, R ✓	BT/ODW CARPENTER, D ✓
RADIO ROBERS, M ✓	CLD PHYS McFADDEN, J ✓ (LEG1)
FD CZYZYK, S ✓	DOPPLER CURRY, J ✓

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
DODGE, P LEG 1	SCIENTIST	HAD
BLACK, P ✓	P.I.	HAD
LEIGHTON, P ✓	SCIENTIST	HAD
ABERSON, S ✓	"	HAD
POPSTEFANIJA, I ✓	"	QUADRANT

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

16 54  
68 21



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

FLT ID: 980918H TIME OFF: 1315Z / 1556Z TIME ON: 1404Z / 2133Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1010.4 / 1010.8	2888 / 2991	/ 1005.7	29.91 / 29.89

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			
GPS	4		

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS













# FLIGHT TRACKS GEORGES

25 — 980918np.ftk  
 — 980918hp.ftk

## RAWINSONDES 9808

● Regular  
 ● 12Z only  
 ● 00Z only  
 ■ Infrequent  
 ■ DROP LOCATIONS 00Z  
 ■ Infrequent - 12Z

