

FLT ID: 980919 I	FM: TBPB	TO: TBPB
FLT NO: 98-021	BLK IN: 0259	ATA: 0256
ETD: 1730Z	BLK OUT: 1725	ATD: 1745
ETE: 9.5	BLK TIME: 9:34 (9.6)	FLT TIME: 9:11 (9.2)
SPONSOR ORG: HAD	PROGRAM: Research	PURPOSE: H-Georges Syn Flood

DAO PERSONNEL

AC McKim ✓	SYS ENG Lynch ✓
CP O'Mara/Tennessee ✓	DATA SYS Hornbrook ✓
NAV Strong ✓	RADAR
FE Moore/Waile ✓	BT/ODW Smith ✓
RADIO Sans/Gucci ✓	ELB PHYS McFadden ✓
FD Parrish	BOOPLEER Closser ✓

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
Black, M. ✓	P.I.	HAD
Landsea, C. ✓	Drops	↓
Landsea, C.		
Dodge, R. ✓	Zodew	
Murillo, S. ✓		

050/8
1013
31/26
30.3
22.6
1006
7617
8/1011.9
fm 5K
8/1011.1
fm 1.5K
8/1012.9
fm 5K
8/1012.7
fm 10K

LAND 47
8/1011.3
fm 1.5K
318/6

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)
 2030Z Comms NOAA3 10X07A GEOR665 EST PST 15N, 54W
 TBPB
 FIX 1920Z 15030'N, 53051'W
 FIX 1957Z 15031'N, 53057'W
 FIX 2025Z 15035'N, 54004'W
 3 eye penetrations Georges HAD

280919I N. Georges Synoptic Flow

944

Time	Lat	Lon	TK	WD	WS	PA	GA	TA	TD	SP	PS		
1725	1304.2	5930.4				62		32.8	17.4		1005.6	BLK	
174730	1306.2	5920.1	76	68	11	748	782	22.8	17.5	1012.3	916.5	↑	
1757	1306	5842.5	96	56	9.6	3346	3544	9.1	-21.4	1011	667	↑	
181915	1301.8	5702.9	93	15	10.6	4575	4835	1.4	-17.3	1009.8	571.5	-	
182636	1301	5629.5											
185630	1444	5510	41	348	48.6	4573	4799	2.0	-1.9	1003.6	571.8	Drop	Good
191138	1530	5429											
191833	1529.7	5357											
192341	1529	5335											
192830	1530	5301	314	164	00	4558	4736	1.5	2.7	997	570	PT, Drop	
194631	1613	5358											
1957	1531	5357.2											
195929	1521	5357	182	260	94	4566	4505	2.2	4.6				
200820	1443	5357											
201345	1501	5400	2	263	54	4604	4731	1.4	2.3	991	569		
201848	1523	5400											
2025	1532	5403.5											
202815	1549	5401	Drop	3	condos								
203945	1641	5402	6	99	59	4485	5219	-0.6	-1.8	1000	539		
205728	1759	5358											
2112	1822.6	5301.1	69	89	24.7	5179	5504	-1.9	-6.0	1009.9	527.4	Drop	PT 7
212151	1838	5221	69	102	27	5781	5510	-7.9	-8.0	1009.7	527.3	Drop	PT 8
2135	1902	5126.5	56	132	19.8	5821	6197	-6.1	-13.4	1010.5	483.5		
2146	1921.8	5036.5											
215330	1936.6	5002.2	66	86	8.6	5825	6209	-6.3	-35.8	1012.9	483	Drop	PT 9
220716	2003	4900	0	135	12.6	5822	6205	-6.2	-39.5	1013.2	483.4	Drop	PT 10
222615	2137	4900.7	0	138	13	5873	6287	-7.7	-36.3	1015.3	475		
224255	2300.1	4902	336	228	10	6441	6867	-1.4	-55.9	1015.4	444	Drop	PT 11
225945	2410.8	4946.4	324	331	8.2	6440	6868	-11.1	-31.0	1014.6	444.1		
230945	2452.3	6014.1	331	300	2.4	6441	6864	-11.5	-27.9				
232622	2600	5104.3	270	325	2.7	6437	6854	-11.5	-28.8	1014.4	444.2	Drop	PT 12
2339	2600	5212	270	318	12	6438	6861	-11.3	-27.8	1014.9	444.2		
234832	2537	5302	213	324	9.9	6438	6863	-11.7	-26.3	1016	444.2	Drop	PT 13
2353	2538.7	5315.4	215	331	11.5	6439	6865	-11.7	-26.0	1016.4	444.2	Drop	PT 14
000315	2454.6	5344.4	210	333	12.2	6438	6871	-11.6	-27.4	1016.6	444.2	Drop	PT 14 Backup
001635	24	5423	211	2	8.2	6435	6872	-11.4	-27.9	1016.8	444.3	Drop	PT 15
0033	2251	5511	212	5	15.2	6436	6872	-10.1	-39.5	1013	444.2		
004457	2159	5544	211	16	18	6435	6874	-9.9	-31.2	1012.5	444.3	Drop	PT 16
005715	2105.4	5618.8	211	19	23.8	7062	7545	-15.0	-35.8	1014.8	407.1		
011148	2000	5704	226	37	26.7	7063	7543	-14.5	-39.2	1013	407	Drop	PT 17
0135	1838.6	5844.3	229	43	26.5	7064	7532	-14.1	-43.9	1010.6	207		
014559	18	5929	180	34	26.9	7064	7533	-14.3	-43	1011.8	407	Drop	PT 18
022542	1428.5	5929.8	180	30	20.6	6909	7332	-12.4	-42.9	1007	402.4	Drop	PT 18 + LAST
023430	1350	5929.5	128	346	8	1824	1923	18.3	8.5	1012.6	217.6	↓	to level

Aircraft Operations Center
PO Box 6829
MacDill AFB, FL 33608-0829

~~March 16, 1996~~ AOC1:sw
Sept 20, 1998

MEMORANDUM FOR: ~~Dr. Hugh Willoughby, Director, HA NOAA~~
Director, HRD, ADML.
Don D. Winter

FROM: Captain ~~George C. Player, III~~, NOAA
Director, Aircraft Operations Center

SUBJECT: Hazard Duty Flight

The mission flown on AOC aircraft # 0432F on 19 Sept 98 has been declared hazardous. The following personnel from your laboratory participated in this mission.

Black, M.
Doelge, P.
Landsea, C.
Murillo, S.

For purpose of computing allowable hazard duty time, the hazard period during this mission was from 1325 local time on 19 Sept until 2259 on 19 Sept.

Sep 18 15:29 1998 /home/hrd/flight_tracks/track01.log Page 1

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HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: GEORGES

Prepared by the Hurricane Research Division at 03:29:47 PM on 09/18/98.
 File: /home/hrd/flight_tracks/980919ip.ftk

Aircraft: N43RF Altitude: FL180-250 Proposed takeoff: 19/1730Z

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TRACK DISTANCE TABLE (nm)

45 to 50 prefer.
 50-60 mi legs
 in storm

#	LAT	LONG	LEG	TOTAL	TIME
0	BARBADOS		0.	0.	0:00
1	12 30	57 00	150.	150.	0:41
2S/10s	14 02	56 31	96.	246.	1:01
3S eye	14 30	57 00	40.	286.	1:09
4S 40N	14 58	57 29	40.	326.	1:17
5S	14 02	57 29	57.	383.	1:29
6S	14 30	57 00	40.	423.	1:37
7S	14 58	56 31	40.	463.	1:46
8✓	17 30	55 00	175.	638.	2:22
9	21 30	48 00	464.	1102.	3:58
10	26 00	48 00	270.	1372.	4:54
11	26 00	53 00	270.	1642.	5:50
12	23 00	53 00	180.	1823.	6:27
13	18 00	59 30	473.	2296.	8:05
14	BARBADOS		297.	2593.	9:16

→ xtra eye wall drops
 SE 1
 NW 2
 SW 1
 NE 1 or 2
 ch availability

15k thru the eye

0w ETA 0245Z

0040Z @112

1543 15 46.3

5506 55 14.4

N42RF

18-40
 52-23

19-22
 50-38

20-00
 49-00

23N
 49W

~~20N
 49W~~

turn

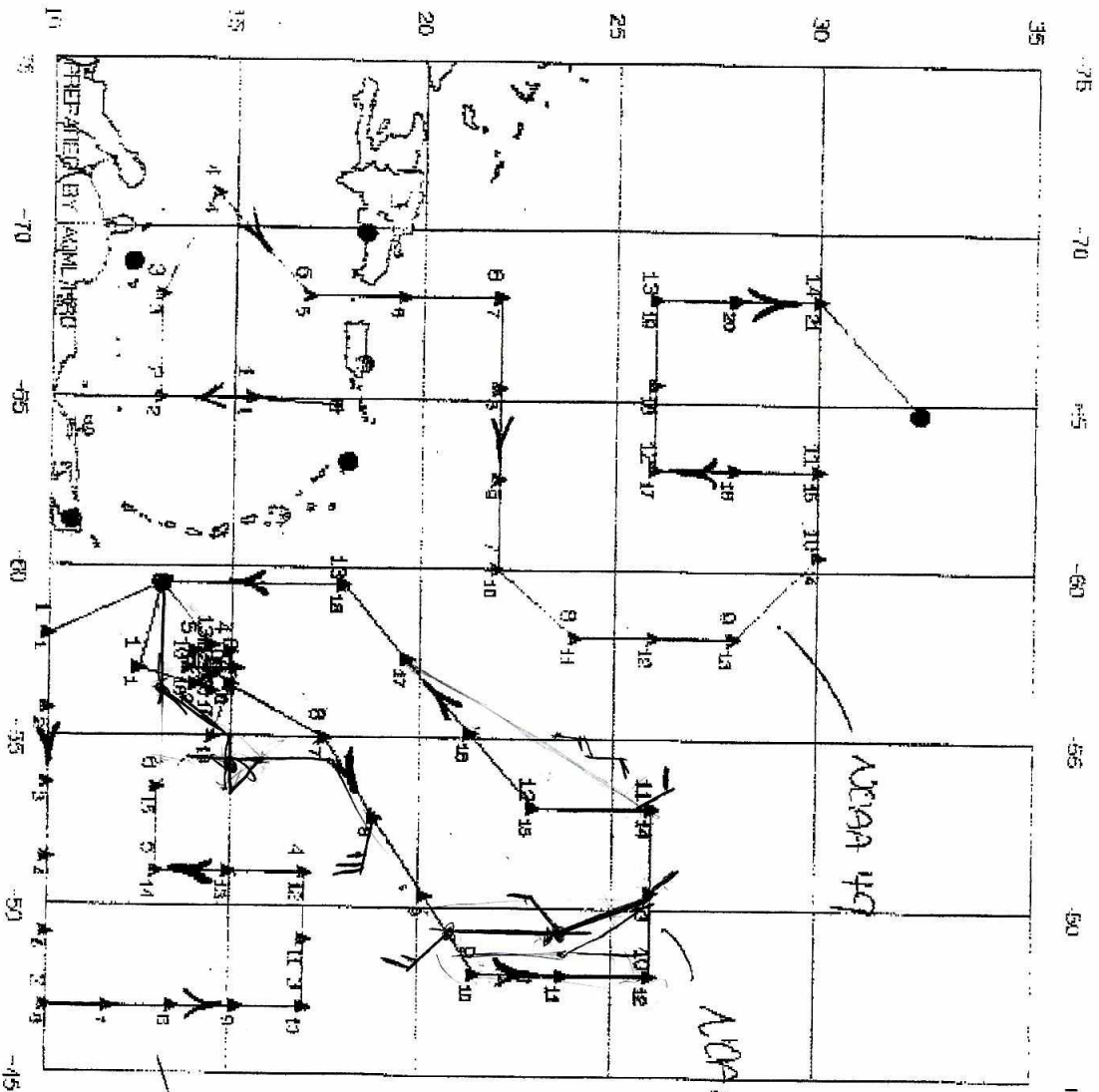
26N
 51W

26N
 53W

24N
 54-25W

22N
 55-45W

20N 18N
 57W 59-30W



FLIGHT TRACKS
GEORGES

- 980919dpfuk
- 980919dpfhp
- 980919dpfhh

RAVINS ANDER 98004

- 12Z only
- 00Z only
- Infrequent - 00Z
- Infrequent - 12Z

ACRAA 43

ACRAA 42

▲ 1997 LOCATIONS

150-

+35
+55
+28 158

+20
+28 121
+33
+45

+16
+22 (403)
+42

+42
+42
+42 (3029)

3+29
4+03
1+21
1458
111

10+51

1744
 2544 AND
 0344

NOAA FORM 56-49 (2-95)		MISSION PREFLIGHT LOG				NAVIGATOR			AIRCRAFT COMMANDER			FLIGHT DIRECTOR			SCHEDULED / ACTUAL TAKEOFF Z			DATE OF TAKEOFF																					
DESTINATION		MISSION		RTE		MH		VAR		TH		DR		TRK		GS		WD		WS		ALT		TAS		LEG / TOT DIST		LEG / TOT TIME		PROP ETA		ETA		ATA		REMARKS			
WP	LAT / LON																																						
1	13N 56-30W	A						091																															
2	15N 54-53W							037																															
3	15N 53-10W							090																															
4	15-50N 51-00W							314																															
5	14-10N 54-00W							180																															
6	18N 54W							000																															
7	20N 49W							065																															
8	26N 49W							258		260																													
9	26N 53W							266		260																													
10	20N 57W							210		290																													
11	18N 59-30W							229		280																													
12	35-05N 51-30W							180		280																													
13	23-00N 52-00W																																						
14	26-00N 51-00W							210		290																													
15	25-00N 53-00W							290		290																													
16	20-00N 57-00W							420		420		1+25																											
17	18N 59-30W							290		290		290																											
18	15-05N 59-30W							290		380		290																											
19	15-05N 59-30W							290		380		290																											
20	15-05N 59-30W							290		380		290																											
21	15-05N 59-30W							290		380		290																											
22	15-05N 59-30W							290		380		290																											
23	15-05N 59-30W							290		380		290																											
24	15-05N 59-30W							290		380		290																											
25	15-05N 59-30W							290		380		290																											

INS PERFORMANCE	
BEGIN ALIGN TIME	INS 1 INS 2
	1600 1600
ALIGN STATUS (0-5)	0 0
END NAV TIME	0300 0300
START NAV TIME	1720 1720
DELTA T	9440 9440

TERMINAL ERRORS	
DELTA LAT	INS 1 INS 2
	+3.7 -1.8
DELTA LON	-1.1 +1.1
RGS	3 2
RADIAL ERROR	4 1.

REMARKS	
15.0	
3000' 25 Dme	
OUT - 1726	
OFF - 1744	
DN - 0256	
W - 0259	

9-133

9.2