

Flt ID: Q N000916	From: KMCF	To: KGPT
Flt No.: 00-38	Blk In: 0157Z	ATA: 0150Z
ETD: 1730Z	Blk Out: 1717Z	ATD: 1727Z
ETE:	Blk Time: 8:40	Flt Time: 8:23
Sponsor Org: NHC	Program: HURR. SURV.	Purpose: AT.S. GORDON IN SE GULF OF MEXICO

AOC Personnel

AC: FINKE	Sys Eng:
CP: MCCANN, YATES	Data Sys: HILL, PRADAS-BERGUES
Nav:	Radar:
FE: KITSON	GPS/BT: SMITH
Avionics:	Cld Phys:
FD: DAMIANO	

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
KAPLAN	HAPS	HRD
LANDSEA	HAPS	HRD
PARRISH	PM	NOA
MAYES	MEDIA	DISCOVERY

Proposed/Actual Mission/Remarks (Recco, Fixes, Storm, PENET, NHOP #)

29.94 1012.2

Get Skidell Road 9/19/02

7223 532
76844

U.S. Dept. of Commerce/NOAA/Aircraft Operations Center

AOCWF2

Flt ID: N000916 Time Off: 1727z Time On: 0150z

	A/C (Take Off)	Wx Stn (Take Off)	A/C (Land)	Wx Stn (Land)
Pressure	<u>1012.2</u>	<u>2994</u>	<u>1013.4</u>	

	Number	Data Disposition/Date/Quality
Slow/Fast Flt Lvl Tapes	<u>1</u>	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	<u>28</u>	<u>4 bad; 24 good; 24 messages</u>

	Video				Remarks
	Forward	Left Side	Right Side	Down	
Time On					
Time Off					
Rate					

Remarks

Bad DPT 1819z - 1825z

U.S. Dept. of Commerce/NOAA/Aircraft Operations Center

Form 413-50

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _d	Press. Alt.	Geo. Alt.	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
180811	2657	7733	149	155	262	23	-61.5	-69.0	12568	13107	—	175.6	83.4	DROP (34)
181800	2545	7730	180	183	259	20	-66.3	-65.9	12573	13114	—	175.4	89.2	THN CLD
182810	2432	7734	226	231	285	28	-60.9	-64.2	12572	13129	—	175.4	89.2	DROP (28)
183300	2422	7808	257	258	284	29	-60.7	-64.5	12569	13125	—	175.6	86.7	THN CLD
184511	2402	7934	257	257	278	24	-60.7	-62.5	12581	13157	—	175.3	91.1	DROP (29)
185600	2345	8052	258	255	265	16	-63.7	-64.9	12882	13445	—	166.6	84.0	THN CLD
190233	2334	8140	257	256	260	11	-63.6	-64.9	12883	13442	—	166.6	84.7	DROP (25)
191905	2313	8345	269	268	277	5	-62.3	-65.4	12858	13429	—	167.2	83.8	DROP (28)
192600	2259	8437	251	249	129	3	-64.6	-66.0	13144	13720	—	159.5	80.4	THN CLD
193525	2240	8549	257	255	242	4	-64.0	-66.3	13145	13718	—	159.5	81.0	DROP (22) THN CLD
194800	2219	8725	257	254	206	7	-64.1	-69.5	13140	13720	—	159.5	80.2	CLR
195157	2212	8755	257	254	201	9	-64.7	-69.3	13139	13722	—	159.5	79.3	DROP (28)
200400	2153	8925	257	256	270	10	-65.0	-70.0	13142	13727	—	159.5	80.5	CLR
200845	2143	9000	230	230	276	12	-64.8	-70.3	13142	13717	—	159.5	80.9	DROP (FF)
201034	2133	9009	215	215	280	12	-64.9	-70.2	13141	13722	—	159.5	79.9	DROP (25)
203532	1904	9158	235	238	309	10	-67.4	-70.7	13423	14031	—	152.1	76.9	DROP (27)
204400	1900	9259	270	271	305	16	-68.8	-70.7	13665	14186	—	148.4	74.5	THN CLD
210417	1904	9528	317	317	332	6	-68.8	-69.5	13573	14189	—	148.3	74.0	DROP (25)
212529	2127	9554	52	56	333	13	-69.3	-70.2	13571	14166	—	148.3	73.7	DROP (28)
213100	2130	9512	90	87	341	10	-70.2	-70.8	13707	14305	—	144.8	72.3	THN CLD
213810	2130	9415	90	87	318	10	-70.3	-72.2	13708	14297	—	144.8	73.0	DROP (28)
215123	2133	9229	56	51	333	11	-69.9	-72.3	13709	14294	—	144.7	72.9	DROP (26)
221044	2328	9107	324	318	284	16	-68.3	-71.6	13711	14287	—	144.6	73.7	DROP (22)
222800	2352	9308	281	278	275	27	-67.6	-72.2	13720	14279	—	144.5	75.6	ADV CLD
223518	2400	9400	275	273	281	27	-68.6	-72.2	13720	14268	—	144.5	72.9	DROP (42)
225135	2405	9554	344	342	301	23	-68.4	-72.8	13718	14284	—	144.5	74.2	DROP (FF)
225257	2414	9552	25	19	311	21	-68.2	-72.9	13713	14281	—	144.7	73.4	DROP (26)
230917	2600	9500	10	6	340	14	-65.9	-73.8	13708	14270	—	144.8	73.2	DROP (26)
232619	2757	9455	55	53	39	18	-65.3	-74.8	13706	14261	—	144.9	71.9	DROP (59)
234420	2755	9233	144	144	93	6	-65.0	-75.1	13698	14269	—	145.0	72.4	DROP (26)
000027	2603	9225	121	118	297	9	-66.0	-75.4	13698	14265	—	145.0	73.8	DROP (60)
001743	2605	9003	34	28	273	9	-65.4	-75.9	13697	14252	—	145.1	71.9	DROP (39)
003328	2757	8955	54	53	19	7	-64.2	-75.9	13703	14252	—	144.9	72.0	DROP (18)
004724	2800	8800	91	92	186	13	-65.4	-76.0	13702	14263	—	145.0	76.2	DROP NO W
004839	2800	8749	90	94										DROP (40) P
005257	2800	8713	90	95	173	25	-66.0	-76.6	13705	14281	—	144.8	76.8	DROP (51)
010619	2800	8526	90	99	187	24	-68.1	-72.9	13702	14255	—	145.0	68.6	DROP (41)

G4 Hurricane Surveillance

N000916 TS Gordon (SE Gulf of Mexico)

<u>DATA TYPE</u>	<u>SENSOR or OPTION</u>
INE	VEW_PITR, VNS_PITR
Accelerometer	ACINS_PITR
Temperature Probe	AT2
Altitude (for vertical wind)	PALT
Static Pressure	PS1M
Dynamic Pressure	QC1M
Dewpoint Probe	DPRC

Notes:

There were no data gaps.

Both inertials performed rather poorly.

Both dewpoint sensors were balanced between 1819Z - 1825Z.

No dynamic corrections were applied to the measured static and dynamic pressures. Thus wind direction and wind speed may not be representative of actual flight level conditions.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1012.2mb	1013.4mb
Corrected tower pressure	1013.3mb	1013.0mb

Flight Meteorologist: A. Barry Damiano, (813) 828-3310 ext. 3073

63-14

HURRICANE SYNOPTIC SURVEILLANCE MISSION PLAN: GORDON/SYNOPTIC

NOAA/Hurricane Research Division Saturday, September 16, 2000 7:31:16 AM
 Aircraft: N49RF Proposed takeoff: 16/1730Z

1-4
1947Z

23 WAA
20 MSE

1400Z
082 out / 186Z OR1 out

DROP LOCATIONS

#	LAT (d m)	LON (d m)	RAD/AZM (nm/dg)	TIME (h:mm)
1	27 00	77 30		0:39
2	24 30	77 30		0:59
3	24 02	79 34		1:16
4	23 34	81 40		1:33
5	23 07	83 45		1:49
6	22 40	85 49		2:06
7	22 12	87 55		2:23
8	21 45	90 00		2:40
9	19 00	92 00		3:07
10	19 00	95 30		3:35
11	21 30	96 00		3:56
12	21 30	94 15		4:10
13	21 30	92 30		4:24
14	23 30	91 00		4:44
15	24 00	94 00		5:08
16	24 00	96 00		5:23
17	26 00	95 00		5:41
18	28 00	95 00		5:58
19	28 00	92 30		6:17
20	26 00	92 30	W	6:33
21	26 00	90 00		6:53
22	28 00	90 00		7:09
23	28 00	88 00		7:25
24	28 00	85 30		7:44

Teal 68 21E
630/10

2012
1-7
9

17 1657Z
2055Z 2402
86°10'
1-8
984mb 170KTS NE

1945Z
2437'
8550 TS
983
70KTS

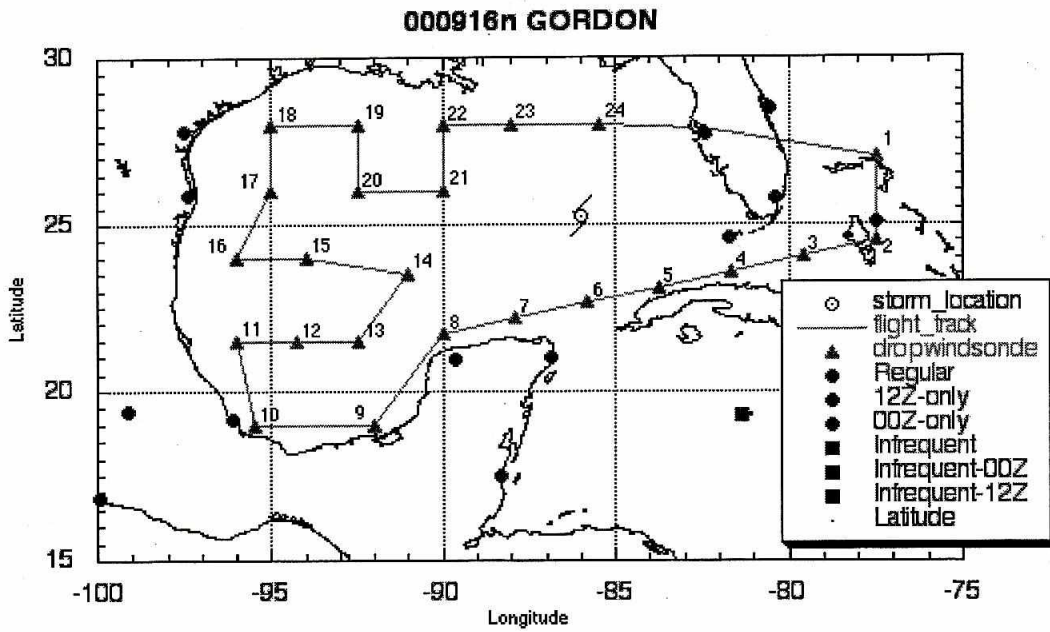
20Z 17
0016Z
180Z out

21Z 24.8 85.7
06Z 25.7 85.2
18Z 27.8 84.3
06Z 30.0 83.3
18Z

75KTS

2313Z, W/W
2510, W/W
85°35', W/W
985, W/W
70KTS
25.2
85.5
NNE 12
75

Sheet



NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: Surveillance 2000 **Project No.** 006 **Flight No.** RF07 **Flight ID:** 000916n

SED Crew: Hill, Pradas, Smith, Damiano **Mission:** TS Gordon

Pre-Flight: 1649 **Z Take-Off:** 1726 **Z Landing:** 0149 **Z**

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight Check		
N A V	IRS #1		✓				
	IRS #2		✓				
	IRS #3		—				
	GPS Honeywell #1		✓				
	GPS Honeywell #2		✓				
	GPS Collins		✓		Off? <input checked="" type="checkbox"/>		
Nose Radar - Collins					Off? <input checked="" type="checkbox"/>		
T E M P		Time	Temp °C	JH		Time	Temp °C
	Temp #1	1650	27.2	}		0154	22.114
	Temp #2		27.5				21.424
	Temp #3		27.5				21.944
	Temp #4		26.9				21.295
	DP Left		16.3		Cal. Time:		10.280
	DP Right	1650	19.8	JH	Cal. Time:	✓	8.765
P R E S S	Attack Angle (ADCAOA)		✓				
	Slip Angle (BPx/DxPx)		✓				
	Differential (PQ1/PQ2)		✓				
	Absolute (PS1/PS2)		✓				
	Check Radome Press. Lines <input checked="" type="checkbox"/>		Date:	091500			
S Y S T E M	DOWN PRT-5 ⇒ Open? <input type="checkbox"/>		Not installed			Closed? <input checked="" type="checkbox"/>	
	MADS (WINDS/DISCWIN)		✓			# DATs: 1	
	MADS Printer ⇒ Paper? <input checked="" type="checkbox"/>		JWH			Printer Power off? <input checked="" type="checkbox"/>	
	MADS Cal. Date: 060800		QC time:	1706		QC time: 0159	
	WINDS ⇒ NET BCAST <input checked="" type="checkbox"/>		JWH				
	HAPS System / Time set? <input checked="" type="checkbox"/>		JWH			# Msg.: 30 # Fail: 6	
	AVAPS System		JAS				
K2 Printer ⇒ Paper? <input checked="" type="checkbox"/>		JWH			Printer Power off? <input checked="" type="checkbox"/>		
	Exterior Walk Around <input checked="" type="checkbox"/>		JWH				
	Inspect DropSonde Chute Bolts		JAS				
M I S C	Satcom (Flight Phone) <input checked="" type="checkbox"/>		JCPB			Off CB? <input checked="" type="checkbox"/>	
	Call COMSAT? <input checked="" type="checkbox"/> (*292#)		JWH				
	FCU/UPS/CB		CB's Checked? <input checked="" type="checkbox"/>	JAS		UPS off? <input checked="" type="checkbox"/>	
	AVAPS Sondes		# On Board: 147		# Dropped: 28	# Good: 24	
	AXBT		# On Board: —		# Dropped: —	# Good: —	
	APN-232 Altimeter		✓				
Modem Power On? <input checked="" type="checkbox"/>							

1	DAT Tape #1	On: 1705	Type: 60M ✓	Off: 0200
Comments:				