

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.1 OAOWF1 FILE

FLT ID: 980521N	FM: KMC	TO: KMC
FLT NO: 98-027	BLK IN:	ATA: 1714Z
ETD: 1400Z	BLK OUT: 1347Z	RTD: 1357Z
ETE: 1700Z	BLK TIME:	FLT TIME:
SPONSOR ORG: NOAA/AOL	PROGRAM:	PURPOSE: PROSUNDE TEST

OAO PERSONNEL

AC PLAYER, G	SYS ENG PRADAS-BERGUES
CP FINKE, M / MAXSON, B	DATA SYS HILL, J ✓
NAV	RADAR
FE KITSON, G	DT/ODW GOLDSTEIN, A
RADIO	CLD PHYS HORNBRONK, C ✓
FD CZ72YK, S	DOPPLER WILSON

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
FRANKLIN, J ✓	HAPS	HRP
WILLOUGHBY, H ✓	HAPS	HRP

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

1 DPTR DPL ONBOARD

X2 011

PRINTER NOT WORKING

MADS OUT 140645Z
UP 142320Z

ANALOG CARDS

BALANCE DPTR 1441Z

CALIBRATED SYSTEM 1541Z

CALIBRATE SYSTEM 1619Z

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

FLT ID: 980521N

TIME OFF: 1357Z

TIME ON:

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE			1015.9	30.07

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES		
FAST FLT LVL TAPES		
RADAR TAPES		
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES		
AXDT		
AXCP		
ODW		
GPS	5	

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON					
OFF					
RATE					

REMARKS

980521N

[illegible]

Aircraft Operations Center
P.O. Box 6829
MacDill AFB, FL 33608-0829

AOC1:SC

May 19, 1998

MEMORANDUM FOR: All G-IV Test Flight Participants

FROM: Stan Czyzyk

SUBJECT: Aircraft/Dropsonde Test Flight - Thursday May 21, 1998

This test flight will consist of both high and low-level dropsonde deployments. The mission will test the newly updated TEMP DROP code as well as further assess the state of the flight level data. A total of 3-4 dropsondes will be launched during the mission. The flight will also include passes over buoys 41009 and 41010 in the Atlantic. At the conclusion of the scientific portion of the flight, several touch and go's will be performed at MacDill, which will add 30+ minutes to the flight. Total flight duration will be 3-4 hours and will consist of the following activities.

- 1) N49RF will takeoff at 1000 local time.
- 2) N49RF will circle MacDill three times at 1000 ft and launch 1-2 dropsondes. The first pass will be an alignment pass and radio test. The communications with the boats will be done on VHF/FM. Frequency - ?. The second pass will be a dropsonde release near the boats. The third pass, if necessary, will be an additional dropsonde release.
- 3) N49RF will then climb to FL410 and head east to buoy 41009 (28 30N and 80 11 W).
- 4) At buoy 41009, continue east to buoy 41010 (28 54N and 78 30W).
- 5) At buoy 41010, a dropsonde will be released, continue east to 29 15N and 77 00W.
- 6) A 60nm radius circle will be blocked out around 29 15N and 77 00W for 1 hour for maneuvers.

First, fly one 3-minute leg out of the wind, then one 3-minute leg into the wind, followed by two 3-minute leg perpendicular to the wind.

- 7) Next, perform two (2) left circles and then two (2) right circles. After the last right circle continue circling and spiral climb to FL450. Continue circling and perform two (2) right circle and two (2) left circles.
- 8) Return to buoy 41010 and release another dropsonde.
- 9) Overfly buoy 41009, this is for a backup dropsonde release.
- 10) The scientific portion of the flight is complete. N49RF will then head to MacDill to perform several touch and go's.

CREW LIST

Player	Pilot
Finke	Pilot
Maxson	Pilot
Czyzyk	Flight Director
Kitson	Flight Engineer
Goldstein	SED
Lynch	SED
Hornbrook	SED
Hill	SED
Pradas-Bergnes	SED
Franklin	HRD
Willoughby	HRD