

RFC-1 WORK FORM  
(7-76)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
RESEARCH FACILITIES CENTER  
MIAMI, FLORIDA

AIRCRAFT

N43RF

FLIGHT NO.

47-82

FLIGHT ID

820714I

DATE

JULY 14, 1982

ALTITUDE

500

1000

2500

7500

## FLIGHT LOG

TAKE OFF (City or airport)

LAND (City or airport)

PURPOSE

MIA

MIA

SEA BREEZE

FLT #1

PROPOSED TAKEOFF TIME:

132

PROPOSED FLIGHT DURATION:

10HRS

TIME IN:

2215

TIME ON:

720804

TIME OUT:

1300

TIME OFF:

131547

BLK. TIME:

9,3

FLIGHT TIME:

## FLIGHT PERSONNEL

## OPERATIONS CREW

## SCIENTIFIC CREW

NHAL (6) VISITORS

GUNNOE	RICCI	HAYDU	SCHRICKER	BURPEE	MARKS
NOBLE	FLEURY	PARADIS		BELLE	PARRISH
MANDELKERN		GOLDSTEIN		R. BLACK	
COX		STONE		JORGENSEN	

## PROPOSED MISSION

see enclosed plans

## ACTUAL MISSION AND REMARKS

as planned

✓ PS const  
 ✓ should be +3 next

use new WND CALA

## DATA COLLECTED AND REMARKS

1 SLOW

10 RADAR

2 PMS

2 P/I

3 DOPPLER

N-2

T-1

AV-2

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
Gurnee	Cox	43	#1	13 1547	mia	820714	Seabreeze

TIME OF ENTRY	POSITION	TYPE	INERTIAL #1 POSITION	LAT LON COR'S	#2 POSITION	LAT LON COR'S	REMARKS
1249	25-48.3 080-17.6		25-48.3 080-17.5	0 +0.1	25-48.3 080-17.6	0	Ramp.
1325			26-1'				Switch to #2 #1 status 075 #2 " 036
1342			26-15.3 081-48.1		26-15.4 081-48.8		on coast.
1359			26-15.4 081-48.0		26-15.5 081-48.1		on coast
1400							switch. to INE #1 #1 status 022
1416			26-15.2 081-48.1		26-15.2 081-48.2		on Coast
1446			26-15.0 081-48.1		26-15.4 081-48.1		on Coast
1510			26-14.5 081-47.8		26-15.2 081-48.1		on Coast (2)
							174 / 22 6
							308 / 32 28

SYS	BEGIN ALIGN TIME	NCS CONN	$\Omega$ AID	TIME OUT OF COARSE	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	$\Delta T$ (2)(1)	TERMINAL ERRORS		
				ELAPSE ALIGN POST TIME					LAT	LONG	GS
INS 1					5	1234					
INS 2 or IMU					✓	✓					

ALIGN REMARKS:

OTHER REMARKS:

TYPE OF FIX : (1) DR (2) RADIO (3) CELESTIAL (4) VISUAL (5) LORAN  
 (6) RADAR (7) DOPPLER (8) OMEGA (9) INERTIAL  
 (10) OMEGA - INERTIAL

8962

TRY	POSITION	TYPE	INERTIAL POSITION	LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS
							170 24 325 10
	26-15.0 081-25.0		up dated	position			IP update
	26-13.0 081-24.5		26-16.6 081-24.4		26-12.2 081-23.7		314/133
1651	26-15 081-25		26-15.2 081-25.3	-0.2 -0.3	26-15.0 081-25.0	0	IP update using #1 #2 decoupled!
1700			26-14.7 081-48.4		26-14.4 081-48.0		On Coast
1734			26-16.6 081-49.8		26-14.6 081-46.9		On Coast
1750	26-15.0 081-25.0		26-09.0 081-23.9		26-14.9 081-23.8		IP update INE# 28#
1743	26-14.0 081-45.0		26-12.4 081-46.0		26-14.7 081-41.6		340/72 switch
1755							1755 → to Syst 2
1756			26-15.5 081-49.2		26-14.5 081-47.3		coast
	26-11.8 082-00.5		26-13.2 082-05.7		26-12.3 082-00.7		0201.25 FMY
1810	26-15.0 081-25.0		wing # 2				IP update
1814	11		26-15.3 081-23.5		26-14.5 081-24.5		IP ✓
1833			26-14.8 081-21.2		26-14.3 081-24.7		IP update
1902	26-15 081-25		26-15.3 081-24.2		26-14.8 081-24.0		IP
1921	11		26-15.2 081-24.4		26-14.6 081-24.6		IP
	26-15.2 081-41.2		26-15.3 081-40.1		26-13.9 081-41.0		335/22 FMY



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Revised Sea-breeze Experiment - July 1982

Initial alert: Noon EDT one day before experiment

Updated alert: 7:30 a.m. day of experiment

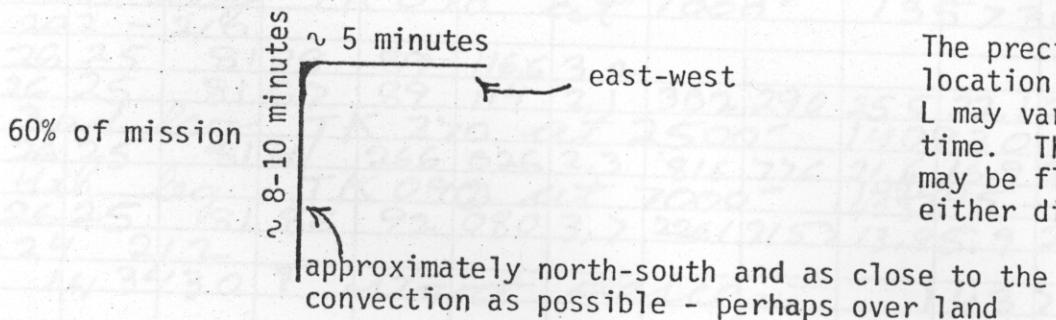
Final go decision: 11:00 a.m.-1:30 p.m. day of experiment

Location of experiment: Naples area

Maximum duration of flight: about five hours

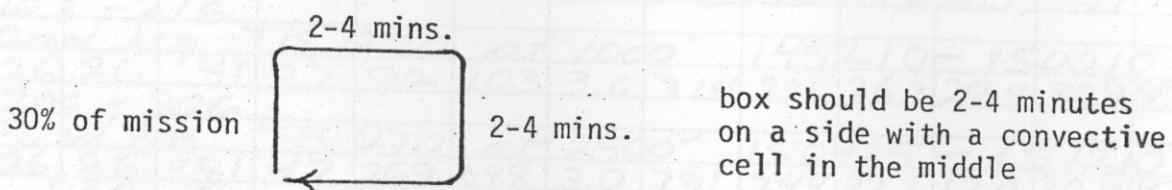
There will be three basic patterns. The lead project scientist (Jorgensen) will decide the sequence of the patterns in consultation with the flight director.

1. L-shaped pattern (VFR at 1,000 ft.)



The precise location of the L may vary with time. The pattern may be flown in either direction.

2. Box pattern (VFR at 1,000 ft. or IFR at 3,000 ft.)



3. Line pattern down convection (penetration - IFR maximum possible altitude)

10% of mission

will be flown near the end of the mission with the Doppler pointing downward, repeat if time permits.





