

RFF-10 WORK FORM (8-72) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FLIGHT FACILITY MIAMI, FLORIDA		AIRCRAFT ² 04 ZIF			
FLIGHT LOG		FLIGHT NO. 830825H 57-83			
		FLIGHT ID 830825H			
		DATE 25 August 1983			
TAKE OFF (City or airport) KMIA		LAND (City or airport) KMIA			
		ALTITUDE 5K			
PURPOSE Vortex evolution experiment on T.S. Barry					
PROPOSED TAKEOFF TIME: 0200Z 2500Z		PROPOSED FLIGHT DURATION: 10+			
TIME IN: 0715 0717		TIME ON: 0707			
TIME OUT: 0143Z 0147Z		TIME OFF: 0153Z			
BLK. TIME: 5+32		FLIGHT TIME: 5+14			
FLIGHT PERSONNEL					
OPERATIONS CREW		WEATHER CREW			
VISITORS					
Doble	Mendelkern	Zysko	Schricker	Jorgenson	Lord
Genzlinger		Parrish	Milander	Willis	Williams
Adams		Devivo		Feinberg	Liff
Ricci		Dubranut		Cheng	Reis
PROPOSED MISSION Fly to vicinity of T.S. Barry (28.1 N, 78.5 W), conduct vortex evolution experiment at 5000 ft. Ⓟ					
ACTUAL MISSION AND REMARKS Attempted to do experiment on 43 - engine had chips in oil. Flew pattern in 42 - changed pattern after finding very weak system. Made 6 center Transits, investigated convective bands to south & west.					
DATA COLLECTED AND REMARKS 6 cloud physics tape 4 radar tape 1 glow tape					

TECH: D.G./Schricker

CRAFT: N42RF

TIME: (Pre-Flt) 0014Z

FLIGHT I.D.: 830825H

MISSION: T.S. Barry

(Take-Off) 0154Z

(Land) 0707Z

SYSTEM				PRE-FLIGHT	INFLIGHT	POST-FLIGHT		
		ALIGN PI	AID			LAT	Lon	GS
N A V	INE1	0	2/D	✓		-2.9	+1.0	2
	INE2	0	2/D	✓		+1.3	-1.5	1
	ONE			✓	(6)			
	DOPLR			✓				
R A D A R	INTEGRATION(PRI'S)							
	NOSE			✓				
	L/F			✓				
	TAIL			✓				
DATA SYSTEM				(1) ✓				
RAMS DATA SYSTEM				✓		#TAPES: 4		
TEMP		CAL HI	CAL LO	AMBIENT		CAL HI	CAL LO	
TEMP #1		30.5	-30.0	23.8		29.2	-30.8	
TEMP #2		30.1	-29.6	24.1		28.8	-30.5	
DEW POINT (CLEANED:Y/N) N				23.7				
ATTACK ANGLE				✓				
SLIP ANGLE				✓				
ABSOLUTE PRESSURE				✓				
DIFFERENTIAL PRESSURE				✓				
RDR ALTM. S/N: 71-02				✓				
JEW				✓				
P M S	OAP 2D-C			✓	(5)			
	OAP 2D-P			✓				
	FSSP-100			✓				
	DATA SYSTEM			✓	(8)			
FOIL IMPACTOR				NF		#TAPES: 6		
ICE RATE DETECTOR				NF		#INCHES: —		
CO2 RADIOMETER				(2) (4)	(5)			
MICROWAVE RADIOMETER				NF				
SURFACE RADIOMETER				✓				
SEEDER				NF				
GUST PROBE				NF				
ASDL (TEST TRANSMISSION) X				✓				
HARD COPY				✓		#MESSAGES: 12		
CLEAN MAG TAPE HEADS				✓				
NUMBOMETER				✓				
P H O T O	RATE		(COUNTS)			(COUNTS)		
	FORWARD		NU					
	VERTICAL		NU					
	RIGHT SIDE		NU					
LEFT SIDE		NU						
AXBT SYSTEM				NU				
ODW SYSTEM				NU				
AXBT EXPENDABLES: #ON BOARD: 0				#DROPPED: 0		#GOOD: 0		
DROPSONDES: #ON BOARD: 8				#DROPPED: 0		#GOOD: 0		
CUMMULATIVE ACCEL. (MELC)				#1 (2G)	#2 (2.5G)	#3 (3G)	#4 (3.5G)	
(LOG AT END OF FLIGHT)				8987	5503	3203	2723	

CODE: ✓ - OPERATIONAL; X() (TIME) - FAILURE (NOTE);
NI - NOT INSTALLED; NU - NOT USED

USE REVERSE SIDE FOR NOTES.

REPORT COMPLETION OF PRE-FLIGHT AND INSTRUMENT STATUS TO FLIGHT DIRECTOR

A/C COMMANDER		NAVIGATOR		A/C NO.		MISSION NO.		TIME AIRBORNE		LOCATION		DATE		PRO. NAME	
NOBLE		ADAMS		42 43RF		830824 ²⁵		23 015351		KMIA N25-48.3 W080-17.6		2425 Aug. 1983		5 BARRY	
TIME OF ENTRY	POSITION	TYPE	INERTIAL POSITION		LAT LON COR'S	POSITION	LAT LON COR'S	REMARKS							
0143 224625	N/25-48.3 W080-17.6	4	N25-48.2 W080-17.6		+1 0	N25-48.1 W080-17.5	0 +1.5	Block out							
015351 22	25-48.1 080-17.2	4	25-48.0 080-17.1		+1 +1.1	25-47.9 080-17.1	+2 +1	TOFF							
0224	26-33.3 78-41.9	2	26-35.7 78-41.2		-2.4 +1.7	26-35.7 78-41.3	-2.4 +1.6	MOT FR (Late mark)							
024702			28-04.4 79-05.8			28-04.5 79-05.9		just west of 50°							
0331		2	28-09.4 80-33.8			28-09.3 80-33.8		Vero 106/29.0							
034900			28-06.1 79-21.5			28-05.6 79-21.2		5							
0446			28-03.7 79-28.9			28-03.1 79-29.4		5							
0550			28-07.1 79-43.2			28-05.1 79-43.9		5							
061830			28-09.0 79-48.9			28-06.3 79-50.4		5							
070714	25-48.1 080-17.2	4	25-51.1 080-16.3		+3.0 +1.9	25-47.1 080-17.6	+1.0 -.4	LAND KMIA							
0714	25-48.3 080-17.6	4	25-51.2 080-16.3		-2.9 +1.3	25-47.3 080-18.1	+1.0 -.5	Block OUT							
SYS	BEGIN ALIGN TIME	NCS CONN	Ω AID	TIME OUT OF COARSE	ALIGN STS 0-5	(1) TIME INTO NAV.	(2) TIME OUT NAV.	ΔT (2)(1)	TERMINAL ERROR						
				ELAPSE ALIGN POST TIME					LAT	LONG	G				
INS 1		✓	✓	/	0	0125 2228	0715	5.8	-2.9	+1.3	2				
INS 2 or IMU		✓	✓	/	0	2228	0715	5.8	+1.0	-.5	1				
ALIGN REMARKS: When T10332 warn lights both INE's - INE1 UNAided															
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															

