

19750922F1_FDIR

1

RFF - 1 WORK FORM (8-72)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FLIGHT FACILITY MIAMI, FLORIDA		FLIGHT ID 750922F	
				AIRCRAFT N6541C	
				FLIGHT NO. 44-76	
				DATE SEP 22	
FLIGHT SUMMARY					
TAKE OFF (CITY OR AIRPORT) MIA		LAND (CITY OR AIRPORT) MIA		ALTITUDE(S) 15,20,24K	
PURPOSE RESEARCH - NHEML - HG - HURRICANE ELOISE					
PROPOSED TAKEOFF TIME: 1830Z		PROPOSED FLIGHT DURATION: 2 HRS			
TIME OUT: 1820Z		TIME IN: 0245Z		BLOCK TIME: 8:25 HRS	
TIME OFF: 1828Z		TIME ON: 0242Z		FLIGHT TIME: 8:14 HRS	
PROPOSED PATTERN PROVIDE DIZ FIX FOR NHC THEN PATTERN(A) (SEE ATTACHED) AT 24K + 20K					
ACTUAL PATTERN AS PLANNED 2053Z FIX 2700N 8906W SLP 977MB MAX WIND SE QUAD 1800/110KTS " " N QUAD 0600/90KTS					
FLIGHT PERSONNEL					
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
TICKNOR	CILIKELLI	DAVIS	SCHRIKKER	WILLIAMS	SHEETS
SANDOLIST	METTERVILLE	DARBY	ROSSBY		WILLIS
MORAN	NUNN	CONNOR	EYKO		DOSTER
SCHISSEL		HOELZEL			LAFFLER
REMARKS:					

750922 F

1828Z T/O MIA

1832Z - 1834Z 1500' RUN OVER WATER

FOR PRES CALIB, MIA SLP 1013.4

1900Z AT 20K ENROUTE TO ELAISE

2018Z B6N DESCENT TO 1500' FOR FIX

2025Z AT 1500'

2053Z TRANS FIX 2702N 8906W

SLP 977 MAX WIND SE QUAD
180°/110KTS

2102Z B6N TRANSIT TO N OF CENTER

2125Z 60NM N OF CENTER AT 1500'

MAX WIND N QUAD 060°/90KTS

2132Z B6N CLIMB TO 24K, POINT 6

LOCATED 0200/60NM FROM CENTER

2214Z AT POINT 6 HEADING TO CENTER

2233Z AT CENTER 2712N 8850W

2240Z B6N PATTERN 'A' AT 24K

2342Z AT CENTER 2729N 8832W

B6N DESCENT TO 20K

2346Z B6N PATTERN 'A' AT 20K

0041Z AT CENTER 2729N 8822W

0047Z 25NM SSW OF CENTER B6N TRACK
OF 130° AT 20K

0100Z END 130° TRACK, DESCEND TO 19K

0208Z B6N DESCENT

0242Z LAND MIA

FLIGHT PLAN - A

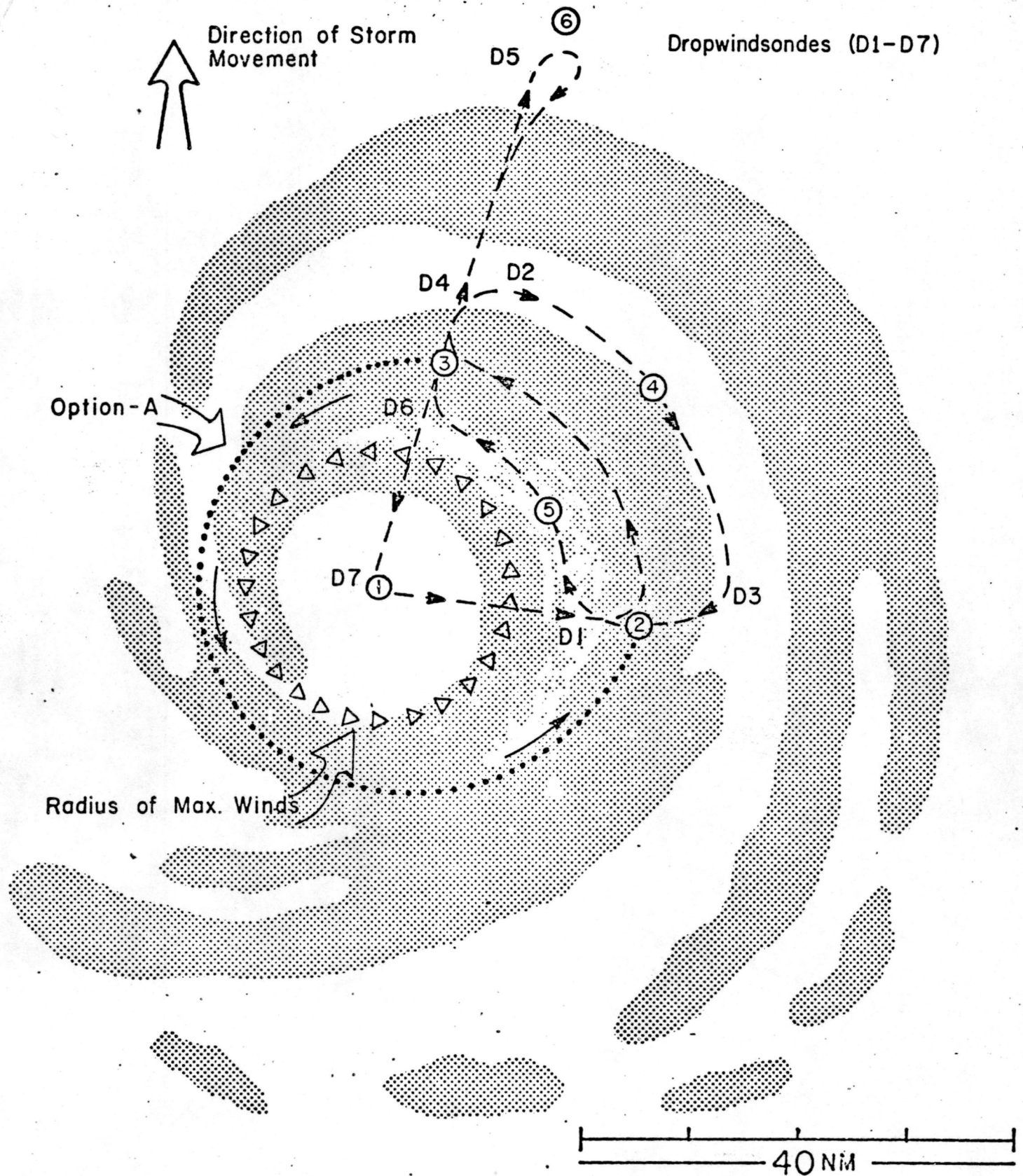


Figure 1. Flight pattern for seeding-seedability-cloud physics studies. The flight pattern sequence is listed in table 1.

RFF - 2 WORK FORM (8 - 72)						FLIGHT ID 750922 F	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FLIGHT FACILITY MIAMI, FLORIDA						DATE SEP. 22, 75	
FLIGHT DIRECTOR'S INFLIGHT DATA LOG							

T.A.S. SET.	G.S. SET.	D.A. SET.	I.R.H. DRY PT. (T/O)	I.R.H. TEMP. (T/O)	TIME	I.R.H. TEMP. (LAND)	TIME

A/C	T/O	TIME	PRESSURE	TEMPERATURE	DEW POINT	WIND
		182742Z	1015.5	26.5	20.6	—
WX	STN.		1013.4			
A/C	LAND	024137Z	1012.2	27.3	19.2	—
WX	STN.	0220Z	1012.5	27.2	23.9	180/02

HOURLY INFLIGHT DIGITAL DATA STATUS															
ITEM	HOUR	1900	0000	0100	0200	0300	0400	0500	0600	0700	0800	9	10	11	12
TIME (CHECK)		OK	OK	OK	OK	OK	OK	OK	OK	OK	OK				
AMBIENT PRESSURE															
RADAR ALTITUDE															
TRUE AIR SPEED															
MAG. HEADING															
DRIFT															
DRIFT ANGLE															
WIND															
TEMPERATURE (VORTEX)															
LONGITUDE															
LATITUDE															
I.R.H.															
DIFFERENTIAL PRESSURE															
J.W. LIQUID WATER															
VARIATION															
TEMPERATURE (RSMNT.)															
C.S.I. DEWPOINT															
I.R. SFC. TEMP.															
TK AD															
AA SA		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				

✓ - System O.K. X - System Output. In Error C - Corrective Measures Initiative O - System Inoperative NA - Not Applicable

REMARKS
 TAPE RECORDER OUT 221720Z TO 221816Z
 INS TRACK (WINDS) NG AFTER 0155Z

RFF - 5A WORK FORM (8 - 72) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FLIGHT FACILITY MIAMI, FLORIDA PHOTO - OPTICAL STATION					FLIGHT ID 750922F	
					DATE Sept 22 75	
INSTRUCTIONS: Make all entries in pencil. At Flight Termination, give completed form to the Flight Director. Mark all film cans with Flight ID, Type, and Number. All Times GMT (Z).						
CAMERA	ON	OFF	ON	OFF	RATE	FILM USED (FT.)
FOREWARD						
RIGHT SIDE	1826	0010			1/5	2591
LEFT SIDE	1826	0010			1/5	2591
PHOTO PANEL						
VERTICAL						
ELAPSED TIME COUNTERS		TIME ON: 185000 Z		TIME OFF: 240000 Z		FINAL COUNT: 18600
APN 59 WP - 101 CAMERA		TIME ON: 1903 Z		TIME OFF: 0215 Z		LENS SETTING f/5.6 NO. OF ROLLS 1
APN 59 WP - 101 INFLIGHT CHANGES						
RATE	DIAL	14				
	TIME	1903				
RANGE	DIAL	variable				
	TIME	1903				
TIME MAGAZINE CHANGED						
APS - 20 CAMERA		TIME ON: Z		TIME OFF: Z		LENS SETTING f/ NO. OF ROLLS
APS - 20 INFLIGHT CHANGES						
RATE	DIAL					
	TIME					
RANGE	DIAL					
	TIME					
FTC	DIAL					
	TIME					
TIME MAGAZINE CHANGED						
RDR - 1 CAMERA		TIME ON: Z		TIME OFF: Z		LENS SETTING f/ NO. OF ROLLS
RDR - 1 INFLIGHT CHANGES						
RATE	DIAL					
	TIME					
RANGE	DIAL					
	TIME					
RECEIVER GAIN	DIAL					
	TIME					
TIME MAGAZINE CHANGED						

750922F

[illegible]

A/C COMMANDER		NAVIGATOR		A/C NO.	MISSION NO.		TIME AIRBORNE		LOCATION	DATE	PROJ. NAME
TICKNOR		SCH ISSEL		91C	750922 F				Miami	22 SEP 75	F 60135
TIME OF ENTRY	POSITION	TYPE	CONF. FACT.	INERTIAL POSITION		LAT. LON. COR'N	POSITION	LAT. LON. COR'N	REMARKS		
1827 39	25-48.2 80-17.6	4	1	25-48.0 80-16.9					DEGRADE		
1845 01	25-57.4 80-27.5	2/9	1	26-04.4 80-27.6					MIA 180/07		
192045		9	1	25-56.4 88-52.3							
2016 46		9	1	26-10.9 87-34.3					26-40 88-50		
2030 10		9	1	26-12.2 88-05.0							
2039		9	1	27-02.8 89-03.3					5		
2143 04	28-00.0 88-42	2/9	1	28-01.9 88-41.7		-2 0			133/102 Lee 4/14		
2207 48	28-21 88-31	2/9	1	28-23.5 88-33.1		-2.5 -2			120/94 1/2 Lee 4/14		
2214 03		9	1	27-59.4 88-30.0							
2232 56		9	1	27-11.8 88-51.7					5		
2244 42		9	1	27-13.8 88-16.7					Lee 4/15 27-10 87-55		
2303 22		9	1	27-46.4 88-36.5							
2325 13		9	1	27-15.2 87-46.3							
2342 03		9	1	27-28.3 88-33.6					5 6		

TYPE OF FIX: (1) DR (2) RADIO (3) CELESTIAL (4) VISUAL (5) LORAN (6) RADAR
 (7) DOPPLER (8) OMEGA (9) INERTIAL (10) OMEGA-INERTIAL
 CONFIDENCE FACTOR (Nautical Miles): (1-5, 1) (6-10, 2) (11-15, 3) (16-UP, 4)

