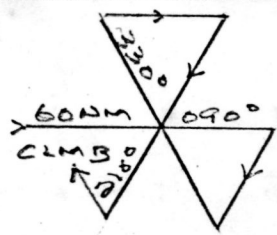


19790222H1-FDR

RFC-1 WORK FORM (7-76)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RESEARCH FACILITIES CENTER MIAMI, FLORIDA		AIRCRAFT N42RF	
				FLIGHT NO. 53-79	
				FLIGHT ID 790222H	
				DATE FEB 22, 79	
TAKE OFF (City or airport) ATTN		LAND (City or airport) ATTN		ALTITUDE 1.5K, 18K, 24K	
PURPOSE RESEARCH - CYCLONE KERRY					
PROPOSED TAKEOFF TIME: 0430Z			PROPOSED FLIGHT DURATION: 9 HRS		
TIME IN: 1335Z			TIME ON: 1329Z		
TIME OUT: 0425Z			TIME OFF: 0433Z		
BLK. TIME: 9:10 HRS			FLIGHT TIME: 8:56 HRS		
FLIGHT PERSONNEL					
OPERATIONS CREW		SCIENTIFIC CREW		VISITORS	
TURNER	NUNN	CONNOR	SHEETS	MCGANN	HERRON
WERLEY	DAVIS		BLACK	WILKIE	HOOST
CORRELL	BROWN		WILLIS	GRANT	HALL
BERGNER	DUGRANUT		HOLLAND	TROLLOPE	BROOK
PROPOSED MISSION PATTERN TO BE COMPLETED AT 1500', 18000', 24000' XMT CENTER INFO TO TOWNSVILLE					
					
ACTUAL MISSION AND REMARKS AS PLANNED 5 CENTER FIXES XMTD MAX WIND 10SKTS SW QUAD LOWEST SLP 961MB					
DATA COLLECTED AND REMARKS 1 STD AIC DIG TAPE; 8 RADAR TAPES; LS, RS, F CLO FILM; 1 CLO PHYSICS					

FLIGHT PERFORMANCE LOG

DATE 10/1/80
MISSION CYCLOPE KERRY
TIME OUT 0438

DATE 790222
FLT. TECH. A/C N42RF
TIME RTN

SYSTEM	PRE-FLIGHT	IN-FLIGHT	POST-FLIGHT
Nav INE1	✓		
INE2	✓		
ONE	✓		
DOPL	NU		
Radar Nose	✓		
L-F	①		
Tail	NI		
Data Syst.	✓		
RAMS	✓		
Sensors	✓		
Total Temp	✓		
Dewpoint	✓		
Attack Angle	✓		
Slip Angle	✓		
Absolute Pressure	✓		
Differential Press	✓		
Radar Altitude	✓		
J&W	✓		
PMS OAP-2DP	INOP		
OAP-2DC	INOP		
FSSP	✓		
Data Syst.	✓		
IPC	✓		
Foil Impactor	INOP		
CO ₂ Radiometer	✓		
Microwave Radiometer	✓		
Surface Radiometer	✓	③	
Formvar	NU		
Photography	✓	②	
AXBT-- Tubes	✓		
Receivers	✓		
ODW	✓		
Seeder	NI		
Gust Probe	NI		

Code: ✓ - Operational; X(#) - Failure (note); NU - Not Used
NI - Not Installed

Notes:

- ① Antenna pinned - no stab & tilt
- ② FWD CAMERA INOP AT 585 FRAMES
RIGHT SIDE CAMERA - INTERMITTENT TAKE-UP
- ③ READINGS NG -

A/C COMMANDER	NAVIGATOR	A/C NO.	MISSION NO.	TIME AIRBORNE	LOCATION	DATE	PROJ. NAME
Turner	Bergner	N42RF	740222	0433:10	ATTN S 19-15.7 E 146-45.8	22 Feb 1979	cyclone "Kerry"

TIME OF ENTRY	POSITION	TYPE	INERTIAL #1/2 POSITION	LAT LON COR'S	INS #2 POSITION	LAT LON COR'S	REMARKS
0421 0426	S 19-15.7 E 146-45.8		S 19-15.7 E 146-45.8	0.0 0.0	S 19-15.7 E 146-45.8	0.0 0.0	Eng Taxi
0432							Tot
0440	S 07-03.0 E 147-12.0		S 19-03.5 E 147-07.9	-0.5 +4.1	S 19-03.2 E 147-07.9	-0.2 +4.1	TL 0620T/26 DME
0543					S 17-10.9 E 152-11.2		AXBT Drop
0622					S 16-41.2 E 154-31.0		AXBT Drop in Kerry's eye
0630					S 16-42.3 E 155-00.6		AXBT Drop
0705					S 16-45.0 E 154-45.0		eye
0743			S 16-40.4 E 154-54.5		S 16-34.8 E 154-45.5		eye 0812 → FL 180
0840			S 16-42.8 E 153-18.0		S 16-33.8 E 153-10.8		
0903					S 16-38.3 E 154-34.4		eye @ FL 180
1013			S 16-47.4 E 154-54.5		S 16-37.4 E 154-45.4		1024 → FL 225
1056			S 16-44.7 E 155-50.4		S 16-32.5 E 155-42.3		

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 ERRORS		
				ELAPSE ALIGN POST TIME					LAT	LONG	G S
INS 1	0329	34	Ω	—	1	0418	1334	9+16	-0.9	-8.6	0
INS 2 or IMU	0330	—	—	—	0	0418	1334	9+16	+15.8	+4.1	2

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

[illegible]