

FLT ID: H980222	FM: KMRY	TO: KMRY
FLT NO: 98-032	BLK IN: 2356Z	ATA: 2353Z
ETD: 1500Z	BLK OUT: 1448Z	ATD: 1457Z
ETE:	BLK TIME: 9:08	FLT TIME: 8:56
SPONSOR ORG: NOAA/ETL	PROGRAM: CALJET	PURPOSE: PRE-FRONTAL FLUX WORK

DAO PERSONNEL

AC KENNEDY ✓	SYS ENG
CP O'MARA ✓	DATA SYS McMILLAN ✓
NAV STRONG ✓	RADAR BARR ✓
FE BAST	BT/ODW
RADIO SANS SOULT ✓	CLD PHYS
FD DAMIANO ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
PERSON ✓	PI	
WALTER ✓	ASST. PI	
SHEPHERD ✓	RADAR	
DAVID	PI	
TURNER ✓	OBS	MEDIA (ORANGE CTY REGISTE)
ROBBINS	OBS	MEDIA

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

1526Z BAL DPT 4 TT probes working today

1828 waiting for ATC clearance to go to 15K

1900 got to new C... never got clearance from ATC

JW FROZEN 21.40Z and not working for remainder of flt

RA159Z not working at take-off
RA232Z

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

FLT ID: 980222 TIME OFF: 1457Z TIME ON: 2353Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1008.5	29.97	1008.5	29.98

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

PMS

AXBT

AXCP

~~GPS~~ GPS

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

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TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE
CALJET IOP 18
YYMMDDL FLT I.D.
980222H
HHMMSS START TIME -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
145301
HHMMSS END TIME 999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
235330
HHMMSS TAKE OFF TIME
145700
* NUMBER OF TAPES (I2) ...FOR STANDARD TAPE OUTPUT ONLY
19
* -----LOGICAL UNIT OF INPUT DATA (I1) 5, 8 OR 9 FOR TAPE DRIVE
8
* -----LOGICAL UNIT OF OUTPUT TAPE DRIVE (I1) [FOR STANDARD TAPE ONLY]
8
* -----LOGICAL UNIT OF PRINTER (I1)
6
* -----DATE OF PROGRAM (MMDDY)
06094
* -----STATIC PRESSURE PROBE (I1)
* 1 = PSW (WINGTIP)
* 2 = PSF (CO-PILOT/FUSELAGE)
* 3 = FUTURE USE
2
* -----DYNAMIC PRESSURE PROBE (I1)
* 0 = PQW(WINGTIP)
* 1 = PQF1 (FUSELAGE 1281)
* 2 = PQF2 (FUSELAGE 1221)
* 3 =FUTURE US
1
* -----INE SELECTION (I1)
* 1 = INE 1
* 2 = INE 2
2
* -----ACCELEROMETER (I1) - USUALLY THE SAME AS YOUR INE SELECTION
2
* ----- TOTAL TEMPERATURE PROBE (I1) [1 OR 2]
1
* ----- DEWPONT TEMPERATURE PROBE (I1) [1 OR 2]
1
* -----ALTIMETER OPTION (I1) - FOR VERTICAL WIND COMPUTATION
* 0 = PRESSURE ALTITUDE (OVER LAND)
* 1 = RADAR ALTITUDE APN-159 (OVER WATER)
* 2 = RADAR ALTITUDE APN-232 (OVER WATER)
1
* -----PRINTOUT RATE SECONDS (I2)
20
* -----WINDSPEED/DIRECTION RUNNING AVERAGE TIME, SECONDS (I2)
10 ! FOR STANDARD TAPE OUTPUT ONLY
* -----TIME OPTION (I1)
* 1 = MICRO 29
* 2 = TIME BASED GENERATOR #1
* 3 = TIME BASED GENEATOR #2
1
* -----NAME OF CONSTANTS FILE EX CO3863.CON
CO2983.CON
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DATE : 2/22/98

TO : Chief, AOC Flight Operations

FROM : Pilot/Flight Director, Aircraft N42RF ON 2356Z BLOCKTIME

SUBJECT: Hazardous Duty OFF 1448Z 9:08

PURPOSE OF FLIGHT: CALJET PROJECT

Hazardous Duty Pay is required for flight made on 2/22/98
(DATE)

Request based on FLYING LOW LEVEL THROUGH
FRONTS

Personnel on board authorized Hazard Pay:

BAST

DAMIANO

BARR

SPANS SOUCE

McMILLAN

PILOT/FLIGHT DIRECTOR:

A. Barry Damiano

APPROVED: _____

DISAPPROVED: _____

CHIEF, AOC FLIGHT OPERATIONS: _____

IOR: 18

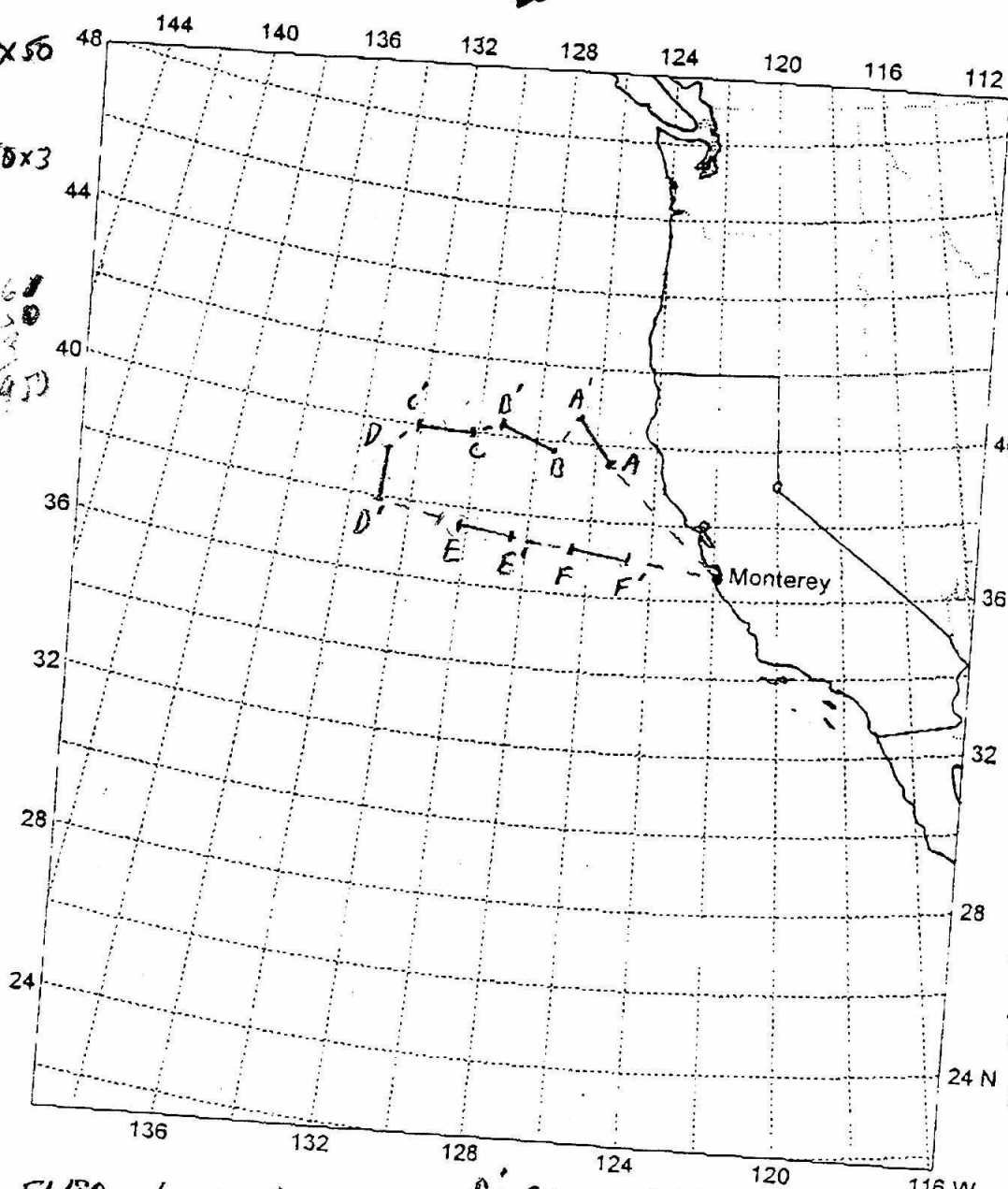
Date and time of flight; start: 1330Z, end: 2300Z

Purpose of flight: Frontal Fluxes

95 miles

245
 (45) (3x) 50 NH
 80
 (75) (3x) 50 BH
 40
 (90) (3x) 50 CC
 55 — 3x50
 140
 90
 140 — 50x3

13
1/2



200, 1800, 3500
 3500 → 8000 → 2000
 E-E': (E: 37.6, 130.2) Flux stack (E: 37.5, 128.4) 200, 1800, 3500
 E'-F: Ascent/descent (FLO35-FLO80-FLO02)
 F-F': (F: 37.2, 126.5; F': 37.0, 124.8)
 FLUX STACK 200, 1800, 3500

205
 100
 140
 120
 120
 790
 50
 ~1700 ft
 29.5
 10.5

245 nm to
pt A

spiral MTRY-A: FL180, drops and
 descent A: 39.5N, 125.5W (A: 40.8N, 126.7)
 A-A': Flux stack (FLO35, 018, 002)
 (13-min legs) (1 to wind)
 A'-B: ascent/descent (FLO02-FLO60-FLO02)
 2: 39.8, 127.5 (A': 40.2, 129.2) - 2-min legs - 1 to FL 002 018, 025

B'-C: ascent/descent FLO35-080-002
 C: 40.0, 130.2 (C': 40.0, 132.1) Flux stack
 C'-D: FLO35 (D: 39.9, 133.0W) (002, 018, 035)
 D: spiral ascent to FL100 then descent to FLO02
 D-D': Flux stack (~FL 002, 080, 040)
 D'-E: FLO40 (D': 37.9, 133°)
 B → B' 200, 1800, 3500

FEB-11-98 SAT 1:57 PM

1000 ft/min

NOAA 42 N 42RF

T/O 1330Z 22 FEB 98

POINTS:PTLATLONG

A

39° 30' N

125° 30' W

B

39° 48' N

127° 30' W

C

40° N

130° 12' W

D

39° 24' N

133° W

E

37° 36' N

130° 12' W

F

37° 12' N

126° 30' W

T/O 1330Z 22 FEB KMR4

MR4 → A

FL 180

TRANSIT

A

SPIRAL DESCENT TO 200'

A

FLUX STACKS 3 LEVELS

200 FT, 1800 FT, 3500 FT

A → B

6000 FT

PORPOISE

B

FLUX STACKS 3 LEVELS

200 FT, 1800 FT, 3500 FT

B → C

8000 FT

PORPOISE

C

FLUX STACKS 3 LEVELS

C → D

3500 FT

PORPOISE

D

ASCEND TO 10,000 FT

DESCEND TO 200 FT

D

FLUX STACKS 3 LEVELS

D → E

4000 FT

PORPOISE

E

FLUX STACKS 3 LEVELS

3500 FT, 1800 FT, 200 FT

E → F

8000 FT

PORPOISE

F

FLUX STACKS 3 LEVELS

3500 FT, 1800 FT, 200 FT

F → MRY

10,000 FT

TRANSIT

EMERGENCY MESSAGE

TRANSMIT THE FOLLOWING MESSAGE TO ANY AGENCY ON THE AIR-GROUND FREQUENCY IN USE. IF UNABLE TO ESTABLISH COMMS, ATTEMPT CONTACT ON ANY OF THE FOLLOWING EMERGENCY FREQUENCIES:

UHF/VOICE	VHF/VOICE	MF/VOICE	HF/CW	MF/CW
243.0	121.5	2182 KHZ	8364 KHZ	500 KHZ

**MAYDAY, MAYDAY, MAYDAY
THIS IS NOAA . NOAA**

- POSITION _____ N/S _____
E/W AT _____ Z _____

- HEADING _____ TRUE/MAG _____
- AT _____ KTS TRUE/INDICATED _____

- FLIGHT LEVEL OR ALTITUDE
- WE ARE A P-3 AIRCRAFT WITH

- NATURE OF EMERGENCY
- ASSISTANCE DESIRED

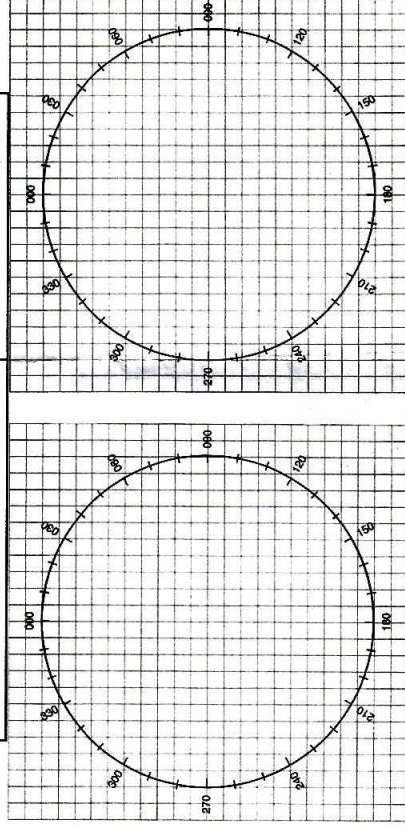
- PILOT INTENTIONS
- WE HAVE _____ ENDURANCE REMAINING

POSITION REPORT

- | 1. POSITION | 2. TIME | 3. ALTITUDE | 4. NEXT POSITION | 5. ETA | 6. NEXT POSITION |
|-------------|---------|-------------|------------------|--------|------------------|
| | | | | | |

MISSION LOG

PAGE OF



CLEARANCES

[illegible][illegible]