

FLT ID: H980223	FM: kmay	TO: kmay
FLT NO: 98-033	BLK IN: 2104Z	ATA: 2100Z
ETD: 1600Z	BLK OUT: 1554Z	ATD: 1604Z
ETE: 11	BLK TIME: 5:10 (5.2)	FLT TIME: 4:56
SPONSOR ORG: NOAA/ETL	PROGRAM: CALJET	PURPOSE: LANDFALL NR CATALINA ISLANDS

DAO PERSONNEL

AC KENNEDY ✓	SYS ENG
CP O'MARA ✓	DATA SYS McMILLAN ✓
NAV STRONG	RADAR
FE MOORE ✓	BT/ODW PRADAS-BERGNES
RADIO	CLD PHYS
FD DAMIANO ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
RALPH ✓	PI	ETL
KINGSMILL ✓	PMS	PR
PERSSON ✓	ASST. PI	ETL
SHEPHERD ✓	RADAR	NSSL
HARRIS ✓	MEDIA	AP
MARKS, KERKA ✓	MEDIA	MONTEREY HERALD

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

CAN'T BASELINE J-W FROM T/O

Climbed to 8K at C'

PTS B, C+I were in W-532 which was hot

Climb to 11K at PT E; W-289 is hot

1829 ALL PTS close.

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

FLT ID: 17980223

TIME OFF: 1604Z

TIME ON: 2100Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	993.9	29.61	998.3	998.3 29.69

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

H980223

TIME	LAT	20N	TRK	HD	WD	WS	TA	TD	PA	GA	SP	PS		PO
160900	3644	12209	268	267	262	25	6.9	7.0	696	609	1003.4	932.0	RW	59.8
161900	3620	12200	152	161	263	35	8.2	8.1	364	290	1004.7	970.0	RW	67.2
162900	3553	12144	254	248	194	27	12.2	10.8	364	298	1005.2	970.1	RW	88.1
163600	3549	12209	238	240	261	24	9.0	7.4	363	297	1005.6	970.4	RW	68.5
164700	3545	12221	269	260	194	43	-1.7	-2.4	2487	2422	1005.2	747.7	RW+(LRF)	75.0
165300	3553	12157	92	100	199	37	-1.6	-1.0	2490	2428	1005.5	747.9	CLD	73.2
171800	3526	12109	141	148	195	28	12.8	10.8	367	311	1006.5	970.0	BLW CLD	64.9
173100	3514	12051	155	167	221	51	-1.7	-12.2	2501	2228	1005.4	746.6	BTW CLD	78.1
174000	3445	12034	153	166	222	54	-1.5	-9.6	2500	2349	994.1	747.0	RW(ICE)	69.2
175800	3411	12016	173	179	206	33	13.8	12.6	221	197	1010.2	927.4	RW	75.0
182800	3340	12007	356	352	216	38	-3.6	-4.4	217	38	1010.1	668.8	IN CLD	72.8
183600	3418	12009	359	357	196	41	-4.2	-5.0	3270	3381	1009.6	668.7	1STW DROP	77.9
184400	3445	12011	260	250	217	65	-1.6	-2.4	2814	2482	—	720.0	RW	78.7
190800	3341	12017	190	198	234	39	4.8	5.1	1656	1643	1011.7	829.5	RW	71.5
191400	3331	12007	82	91	206	41	5.3	6.3	1624	1597	1011.8	840.4	RW	75.4
192700	3353	11930	1	356	209	39	8.5	8.4	1254	1251	1011.4	871.4	RW	73.7
193654	3415	11934	173	180	220	37	-2.9	-2.0	3073	3085	1011.6	684.3	DROP	—
194900	3414	11940	268	254	211	32	7.0	8.1	1253	1246	1011.7	871.3	RW	79.6
195400	3414	12001	267	263	216	21	11.6	6.2	488	462	1009.9	956.0	RW	73.8
200500	3425	12041	306	305	261	13	9.8	8.6	311	284	1010.0	976.5	CLD	76.5
201200	3449	12047	2	358	234	23	9.5	7.8	307	271	1009.1	976.9	BLW CLD	71.8
202800	3530	12113	328	324	242	19	10.3	8.9	335	287	1007.7	973.7	BLW CLD	78.3
204500	3619	12155	22	20	234	18	10.8	5.1	334	280	1006.8	973.5	CLR	75.4

```

TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE
CALJET IOP 19
YYMMDDL FLT I.D.
980223H
HHMMSS START TIME -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
160001
HHMMSS END TIME 999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
210100
HHMMSS TAKE OFF TIME
160400
* NUMBER OF TAPES (I2) ...FOR STANDARD TAPE OUTPUT ONLY
20
* -----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
1
* -----ACCELEROMETER (I1) - USUALLY THE SAME AS YOUR INE SELECTION
1
* ----- 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)
0
* -----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
*****

```

DATE : 2/23/98

TO : Chief, AOC Flight Operations

FROM : Pilot/Flight Director, Aircraft

ON 2104Z BLOCKTIME

N42RF

OFF 1554Z 5:10

SUBJECT: Hazardous Duty

PURPOSE OF FLIGHT: CALJET PROJECT

Hazardous Duty Pay is required for flight made on 2/23/98
(DATE)

Request based on FLYING LOW LEVEL THROUGH
FRONTAL ZONES

Personnel on board authorized Hazard Pay:

MOORE

DAMIANO

PRADAS-BERGNES

McMILLAN

PILOT/FLIGHT DIRECTOR:

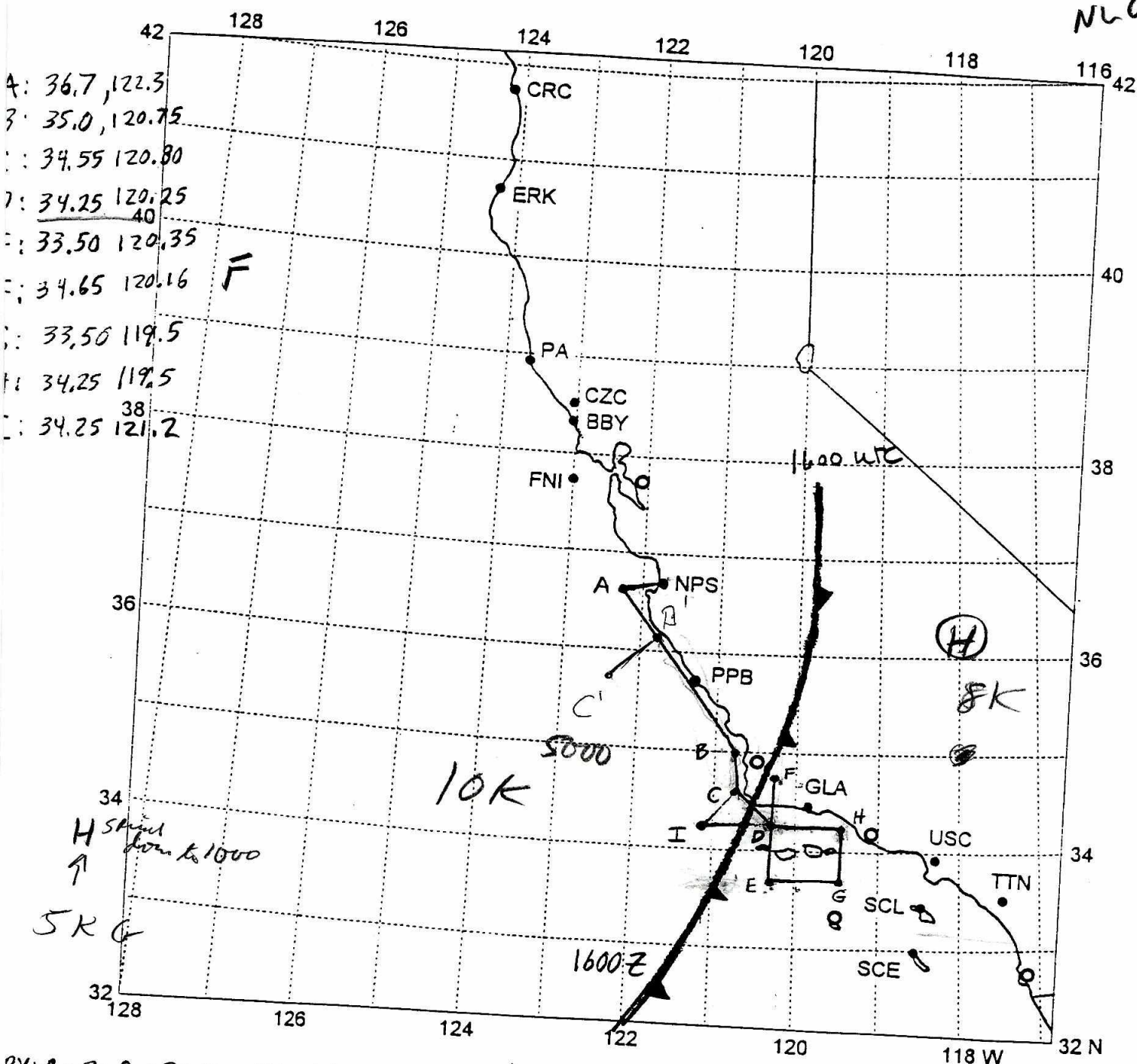
A. Damiano

APPROVED:

DISAPPROVED:

CHIEF, AOC FLIGHT OPERATIONS:

1550 km
3.9h at 110 m/s
+ time for ascent.
+ descents.
Fuel for 6h



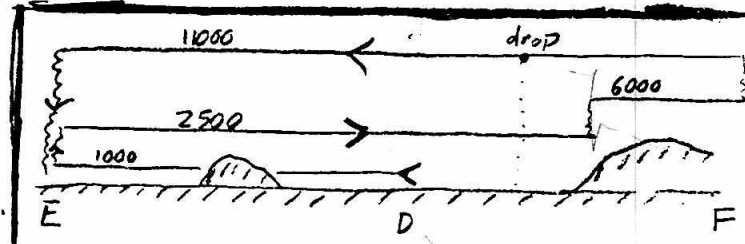
RY → A → B → C → D → E: FLOIO with porpoising on spiral ascent/descent between 500 + 6000ft along the way

$E \rightarrow D \rightarrow F$ (See sketch; FL 025, 060, 110)

$E \rightarrow G \rightarrow H \rightarrow D$ FL 010

→ C → I FL010 with spiral up & down to 6000 ft

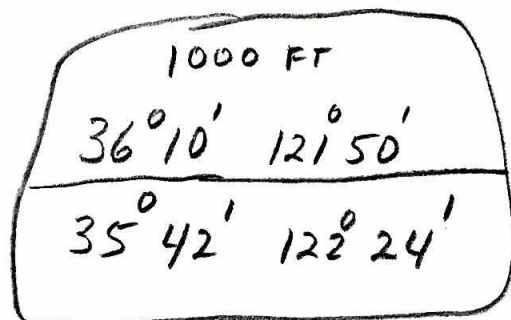
B $D \rightarrow C \rightarrow B \rightarrow A$ FLO10 with porpoising or spirals to 6000 ft



CALCULATED
NOAA 42 N42RF

T/O 1500Z 23 FEB 98

POINTS:



<u>PT</u>	<u>LAT</u>	<u>LONG</u>
A	36° 42' N	122° 18' W
B	35° N	120° 45' W
C	34° 33' N	120° 48' W
D	34° 15' N	120° 15' W
E	33° 30' N	120° 21' W
F	34° 39' N	120° 10' W
G	33° 30' N	119° 30' W
H	34° 15' N	119° 30' W
I	34° 15' N	121° 12' W

T/O MR4 15Z 23 FEB 98

MR4 → A → B → C
→ D → E

1000 FT

PORPOISE

E → D → F

MICROPHYSICS STACK
3 LEVELS (1000, 2500, 11000 FT)

E → G → H → D
→ C → I

1000 FT

I → D → C → B → A
A → MR4

1000 FT

PORPOISE

