

FLT ID: H980128	FM: KMRY	TO: KMRY
FLT NO: 98-021	BLK IN: 0410Z	ATA: 0401Z
ETD: 1800Z	BLK OUT: 2036Z	ATD: 2045Z
ETE:	BLK TIME: 7:34	FLT TIME: 7:16
SPONSOR ORG: NOAA/ETL	PROGRAM: CALJET	PURPOSE: PRE-FRONTAL LANDFALL

0AO PERSONNEL

AC	McKIM ✓	SYS ENG	
CP	TAGGART ✓	DATA SYS	LYNCH ✓
NAV	KORAK ✓	RADAR	BARR ✓
FE	WADE ✓	BT/ODW	CARPENTER ✓
RADIO	ROGERS ✓	CLD PHYS	
FD	DAMIANO ✓	DOPPLER	

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
RALPH PERSSON ✓	PI	ETL
SMULL ✓	ASST. PI	NSSL
BARTELS ✓	HPS	NSSL
SHEPHERD ✓	RADAR	NSSL
KINGSMILL ✓	PMS	ETL
FLEISHER ✓	MEDIA	NOVA
HARBER ✓		
MORTON ✓		

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

T/O DELAYED FOR WEATHER TO MOVE INTO FLT PROFILE AREA
 RA159 still broke used RA232
 RA159 fixed 1 hr into flt. seemed to work OK

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO. 2 OAOWF2 FILE

FLT ID: 14980128

TIME OFF: 20452

TIME ON: 04012

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1005.3	29.96	1000.2	

NO

DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

1

FAST FLT LVL TAPES

RADAR TAPES

2

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

AXBT

4

AXCP

ODW

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

H980128

0155

2115 ~~2245~~

TIME	LAT	LONG	TRK	HD	WD	WS	TA	TD	PA	GA	SP	PS		PQ
205100	3648	12211	298	291	186	35	4.3	-3.7	2135	2146	1011.2	781.7	ABV CLD	79.6
210240	porpoise													
211500	3722	12357	278	270	167	30	14.2	10.9	98	60	1008.6	1001.7	200 Run	71.5
212100	3724	12420	275	268	163	30	13.7	11.1	102	59	1008.0	1001.0	200 Run	61.8
212700	3724	12444	95	106	173	36	11.9	10.7	281	231	1007.4	979.2	800 Run	70.8
213300	3723	12419	94	104	176	34	11.8	10.7	287	245	1008.2	979.2	800 Run	67.6
214200	3724	12354	270	260	171	42	11.3	9.9	443	403	1008.5	961.4	1400 Run	66.6
214753	3724	12419	272	261	174	40	11.3	10.3	446	398	1007.3	960.9	XBT	65.7
215500	2600 ft Run													
215600	3723	12434	93	106	183	42	9.6	7.9	787	741	1007.0	920.8	2600 Run	63.7
220041	3722	12413	94	106	182	40	9.2	7.9	827	781	1007.6	917.8	XBT	67.9
220600	end 26 ft Run													
220800	3727	12348	10	14	165	34	13.6	11.8	198	157	1008.4	989.6	500 ft	63.8
221700	3800	12341	9	14	166	36	13.2	11.0	198	159	1008.5	989.8	500 ft	64.5
222700	3834	12334	90	78	134	34	12.5	11.1	198	160	1008.7	989.6	500 ft	61.2
223200	3822	12337	197	191	163	36	12.1	10.0	314	205	1008.2	962.2	1000 ft	68.7
225019	3813	12339	16	20	177	40	9.8	8.7	667	627	1008.3	935.6	XBT	64.5
225529	3833	12331	19	25	167	39	9.8	9.8	662	662	1008.3	935.8	XBT	63.6
230200	3822	12339	192	187	164	39	8.0	7.5	958	917	1008.3	903.3	CLD	70.9
231900	3808	12346	22	27	181	53	4.8	-3.9	1721	1680	1007.2	822.8	BTN CLD	66.2
232700	3835	12328	200	195	174	47	3.6	-16.2	2181	2149	1006.9	777.2	7K Run	71.9
233300	3817	12337	200	195	176	46	4.4	-21.5	2179	2143	1004.7	777.4	7K Run	72.9
234700	3752	12353	17	24	165	46	13.2	11.4	229	175	1006.9	987.1	500 Run	65.2
000040	3839	12329	22	31	136	35	12.9	11.2	2205	157	1007.5	988.9	500 Run	63.3
000900	3822	12337	195	188	135	29	14.2	11.6	111	59	1007.0	1000.1	200 Run	67.3
001400	3807	12341	189	184	138	29	13.9	12.1	112	59	1006.8	1000.0	200 Run	72.8
003300	3726	12354	8	12	172	42	12.5	11.1	322	316	1006.3	969.3	1000 Run	75.0
004100	3758	12346	11	18	167	44	12.4	10.6	369	313	1006.4	969.7	1000 Run	62.4
005200	3839	12332	15	25	150	45	12.0	10.5	371	320	1006.9	969.4	1000 Run	64.5
010100	3823	12336	189	184	166	51	9.9	9.4	685	631	1006.6	933.6	2000 Run	65.1
012800	3733	12344	6	9	181	49	8.6	9.0	989	933	1006.1	900.0	3000 Run	75.0
014200	Signal ascent													
015300	3840	12355	264	251	146	48	12.6	10.9	356	288	1004.8	971.1	1000 ft	68.4
015650	Start porpoising													
021500	Frontal Passage													
022300	3827	12544	82	88	223	35	9.5	9.4	565	453	999.9	947.2	Wd FRT	70.8
022800	3830	12520	75	93	180	65	11.4	11.0	580	458	999.5	948.3	Ed FRT	72.9
024500	3835	12411	87	101	153	53	11.8	11.4	438	354	1003.1	961.9	+	74.2
025600	3834	12333	190	182	146	48	11.8	10.7	433	470	1005.5	962.3	-	68.1
032400	3719	12346	114	123	154	46	12.8	11.3	433	470	1004.2	962.3	=	68.6
034300	3657	12240	110	123	173	50	10.5	9.5	757	734	1007.9	988.9	=	62.0

TITLE (MAX 21 CHARACTERS) -- EX HURRICANE PAINE

CALJET IOP #7

YYMMDDL FLT I.D.

980128H

HHMMSS START TIME -99999 DEFAULT TO START OF DATA FOR PRINTOUT ONLY
204101

HHMMSS END TIME 999999 DEFAULT TO END OF DATA FOR PRINTOUT ONLY
040230

HHMMSS TAKE OFF TIME
204500

* NUMBER OF TAPES (I2) ...FOR STANDARD TAPE OUTPUT ONLY

8

* -----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]

2

* ----- 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)
! FOR STANDARD TAPE OUTPUT ONLY

10

* -----TIME OPTION (I1)

* 1 = MICRO 29

* 2 = TIME BASED GENERATOR #1

* 3 = TIME BASED GENEATOR #2

1

* -----NAME OF CONSTANTS FILE EX CO3863.CON

CO2982.CON

125 124 123 122 121

40

(25)

04007

H
to HRY
at 10,00 ft

PA

G

CZC

BBY

13

39

38

FNI

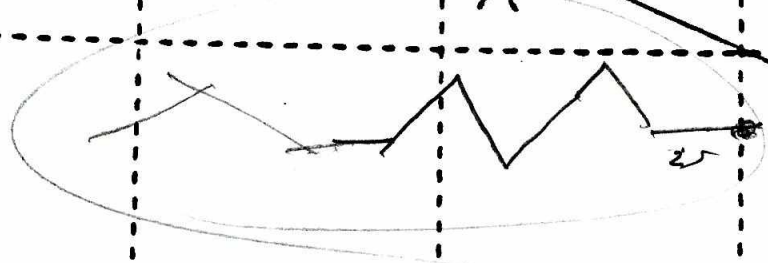
●

E

B

A

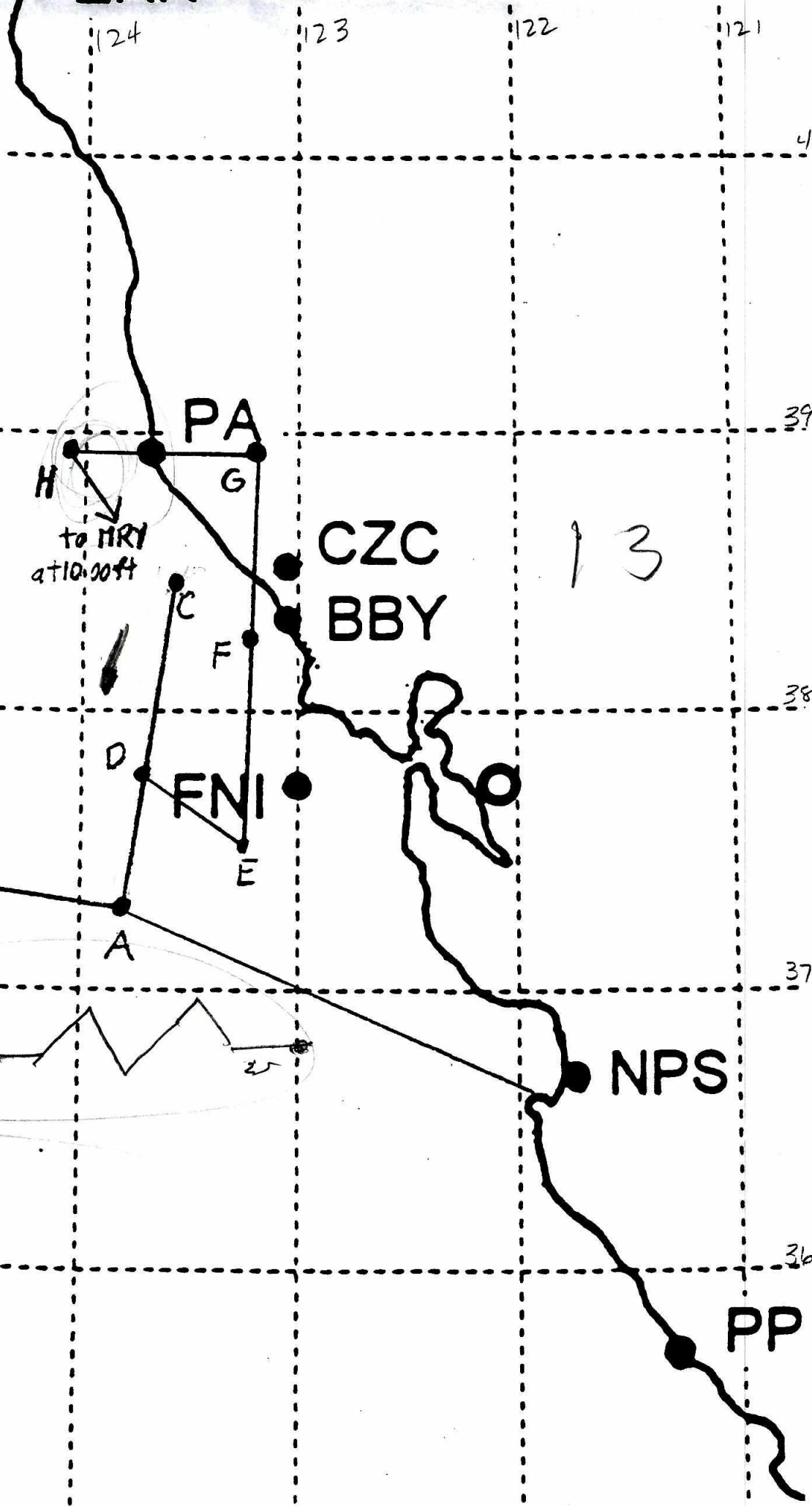
37



NPS

36

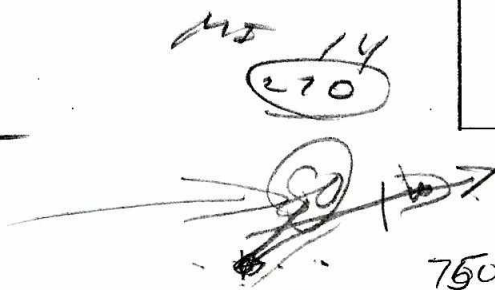
PP



NOAA P-3 FLIGHT FOR 28 JANUARY 98

ABOUT
1800 Z TAKEN
ABOUT
6+00 HR
FLIGHT

A. 37° 20' N 123° 50' W
B. 37° 25' ⁴N 124° 40' ⁶⁸W
C. 38° 36' ⁸N ⁶ 123° 30' ⁵W
D. 37° 50' ⁸²N 123° 50' ⁸²W
E. 37° 35' N 123° 15' W
F. 38° 15' N 123° 15' W
G. 38° 55' N 123° 10' W
H. 38° 55' N 124° 05' W



750-800 nm

W-283
W-285A } HBT 17-19Z
SFC-45

1000/min
500-3000

FLIGHT TRACK

ALTITUDES

MRY → PT. A

~~CLIMBS + DESCENTS 200' → 5000'~~
(PORPOISE)

PT. A → PT. B

FLUX STACKS

200'; ~~1000'~~; ~~2500'~~; ~~4000'~~
~~800~~ 1400 ~~5500~~

~~PT. A → PT. C 500' / 200'~~

PT. C → PT. D

1000'

PT. D → PT. E

1000'

PT. E → PT. F

500'

PT. F → PT. G

spiral up @ PT. F TO 5000'
THEN PROCEED TO PT. G @ 5000'

PT. G → PT. H

5000' @ PT. H descend to 1000'

PT. H → MRY

1000'

← 5500 ft
* C *
3000
5000, 7000
PAGE OLSON MEDIA

8

H980128

203231 - 040259

26993 fast records

DATA GAPS 204619-204620

~~203250-203311~~

RENAU JNE 2

205520 - 205530

211940 - ~~211950~~ 212000

212620 - 212630

221000 - 221010 220839-220850

222540 - 222600

222616 - 222630 Used TT2

220200, -.6, .9
 230200, -.4, -.1
000200, 0., -.2
 010200, 0., 1.4
 020200, .8, 1.2
 030200, 1.5, -1.2
 040230, 2.9, -.7

0003200, -.1, 1.
 023200, 1.4, .9

FAST RESPONSE TT ONBOARD

RA1=RA2

150

APT check

Fixed DWI

204430 - 215300

2336

2333 - 2336

040001 - 040230

04 86400
 3600
 4
 14400
 86400
100800
 150
 100950

0227 wx

Replaced PSF at 221011z
with 989.73

221001

221011

221014

~~221014~~

989.73

DATE : 1/28/98

TO : Chief, AOC Flight Operations

FROM : Pilot/Flight Director, Aircraft

ON 0410Z BLOCKTIME
N42RF
OFF 2636Z 17:34

SUBJECT: Hazardous Duty

PURPOSE OF FLIGHT: CALJET PROJECT

Hazardous Duty Pay is required for flight made on 1/28/98
(DATE)

Request based on FLYING LOW LEVEL THROUGH
FRONTS OVER COASTAL REGIONS

Personnel on board authorized Hazard Pay:

WADE	
DAMIANO	
BARR	
ROGERS	
CARPENTER	
LYNCH	

PILOT/FLIGHT DIRECTOR: A. Barry Damiano

APPROVED: _____ DISAPPROVED: _____

CHIEF, AOC FLIGHT OPERATIONS: _____

