FLT ID: H980203	FM: KMRY	TO: KMRY
FLT NO: 98-023	BLK IN: 1936Z	ATA: 1930Z
ETD: 1700Z	BLK OUT: 1131Z	ATD: 1140Z
ETE:	BLK TIME: 8:05	FLT TIME: 7:50
SPONSOR ORG: NOAA/ETL	PROGRAM: CALJET	PURPOSE: FRONTAL + COLD LOW

OAO PERSONNEL

AC	McKIM ✓	SYS ENG	
CP	TAGGART ✓	DATA SYS	LYNCH ✓
NAV	KOZAK ✓	RADAR	BAKER ✓
FE	WADE ✓	BT/ODW	CARPENTER ✓
RADIO		CLD PHYS	
FD	D'AMIANO ✓ / W HOTE ✓	DOPPLER	

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
PERSSON ✓		
SMULL		
RALPH ✓		
MILLS ✓		
SHEPHERD		
ARNOTT ✓		
WALTERS ✓		
SCOTT / AVILA		

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

NO RING LW .. Broke at T/O

1248:30 DWI went out ..

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

FLT ID: H980203 TIME OFF: 1140Z TIME ON: 1930Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	980.0		984.7	29.34

	NO	DATA DISPOSITION/DATE/QUALITY
1/SEC FLT LVL TAPES	1	
FAST FLT LVL TAPES		
RADAR TAPES	1	
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES		
PMS	2	
AXBT	2	
AXCP		
~~ODW~~ GPS	5	

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON					
OFF					
RATE					

REMARKS

NOAA FORM 59-4
(2-72)

H980203

TIME	LAT	LON	TRK	HD	WD	WS	TA	TD	PA	GA	SA	PS		PR
114700	3640	12207	163	167	215	18	0	.3	2335	2158	990.4	762.2	—	78.3
115400	3616	12155	143	148	206	17	2.9	2.7	1879	1699	991.0	806.9	—	73.5
122200	3454	12057	152	162	194	36	5.6	6.0	1735	1564	990.7	821.6	—	70.7
123500	3429	12039	110	119	208	31	10.6	10.9	823	649	991.9	918.3	—	75.4
125600	3419	12003	297	288	168	52	5.2	6.1	1735	1585	993.3	821.3	—	75.2
132100	3345	12121	216	215	207	44	-22.1	-29.3	5490	5346	1000.0	505.3	—	72.1
133500	3302	12156	217	219	220	46	-21.4	-38.2	5487	5329	996.5	505.7	—	67.6
133544	3300	12158	217	219	222	50	-21.3	-37.2	5485	5334	996.0	505.8	DROP	68.5
134824	3258	12050	84	97	188	63	-20.7	-32.5	5490	5369	998.5	505.7	DROP	73.4
135611	3300	12007	90	102	203	60							DROP	
135921	3301	11949	87	102	184	68	-17.0	-20.2	5489	5391	992.0	505.9	DROP	72.5
141100	3301	11849	95	104	170	42	-16.2	-18.5	5487	5425	994.2	506.0	—	70.5
142010	3302	11800	86	99	194	57	-15.8	-19.2	5487	5425	—	506.0	DROP	73.7
143000	3300	11837	269	262	221	45	5.6	4.8	1669	1551	997.5	828.0	RW+	72.7
143200		3800 ft run												
143700	3259	11904	270	263	200	36	7.8	7.5	1301	1170	996.3	866.6	3000 Run	74.7
144300	3259	11929	264	261	194	35	7.9	7.0	1298	1160	995.3	866.6	3000 Run	65.6
144700	3259	11946	270	264	183	25	8.1	6.5	1297	1153	994.9	866.4		73.5
145300	3256	11955	85	92	209	33	11.4	9.4	750	590	993.2	926.4	3000Run	73.4
150000	3259	11923	84	94	184	35	11.1	10.1	750	598	995.6	926.8	3000Run	72.1
151300	3304	11904	267	259	171	36	12.4	9.5	592	441	994.9	944.4	1500Run	72.3
151650	3304	11920	266	258	166	33	12.1	11.4	592	435	994.0	944.2	XRT	71.8
151916	3303	11939	266	259	184	33	12.6	10.1	591	429	993.3	944.2	XRT	73.6
152800	3258	11956	87	85	286	24	11.5	11.1	451	282	993.3	960.5	INCLD	68.6
154200	3302	11857	88	95	145	28	12.3	10.7	454	295	994.3	960.2	IN CLD	73.6
154700	3304	11855	264	259	143	30	14.5	12.5	227	76	994.7	986.2	200ft run	71.9
155500	3302	11930	264	258	203	27	15.0	12.3	231	60	993.1	985.9	200ft run	70.9
160500	3306	12003	339	334	289	30	11.1	9.1	441	283	994.1	961.4	CLD ABV	73.7
162000	3344	12030	322	319	296	29	10.7	6.0	438	274	993.6	961.3	CLD ABV	70.5
164200	3423	12009	101	99	303	22	10.6	9.0	441	276	993.3	961.4	RW-	66.2
164750		Frontal boundary												
165400	3413	11930	285	280	152									
171700	3404	12046	188	195	310	24	10.7	7.0	448	292	994.4	980.6	CLD ABV	65.9
172500	3350	12030	90	86	306	28	11.0	5.2	449	292	994.6	960.5	CLD ABV	73.6
174400	3357	11923	20	19	205	28	4.4	4.7	1705	1564	995.1	824.5	RW	72.5
175500	3424	11940	273	269	196	19	3.7	3.5	1814	1665	994.2	813.6	RW+	68.0
181703	3450	12054	337	335	292	19	2.6	0	1700	1546	995.4	824.9	CLD	60.0
185700	3607	12145	325	323	298	24	.8	.3	1702	1542	995.6	824.8	CLD	64.8
191200	3648	12221	324	322	281	15	1.2	-10.1	1708	1547	995.9	824.3	CLD	80.2

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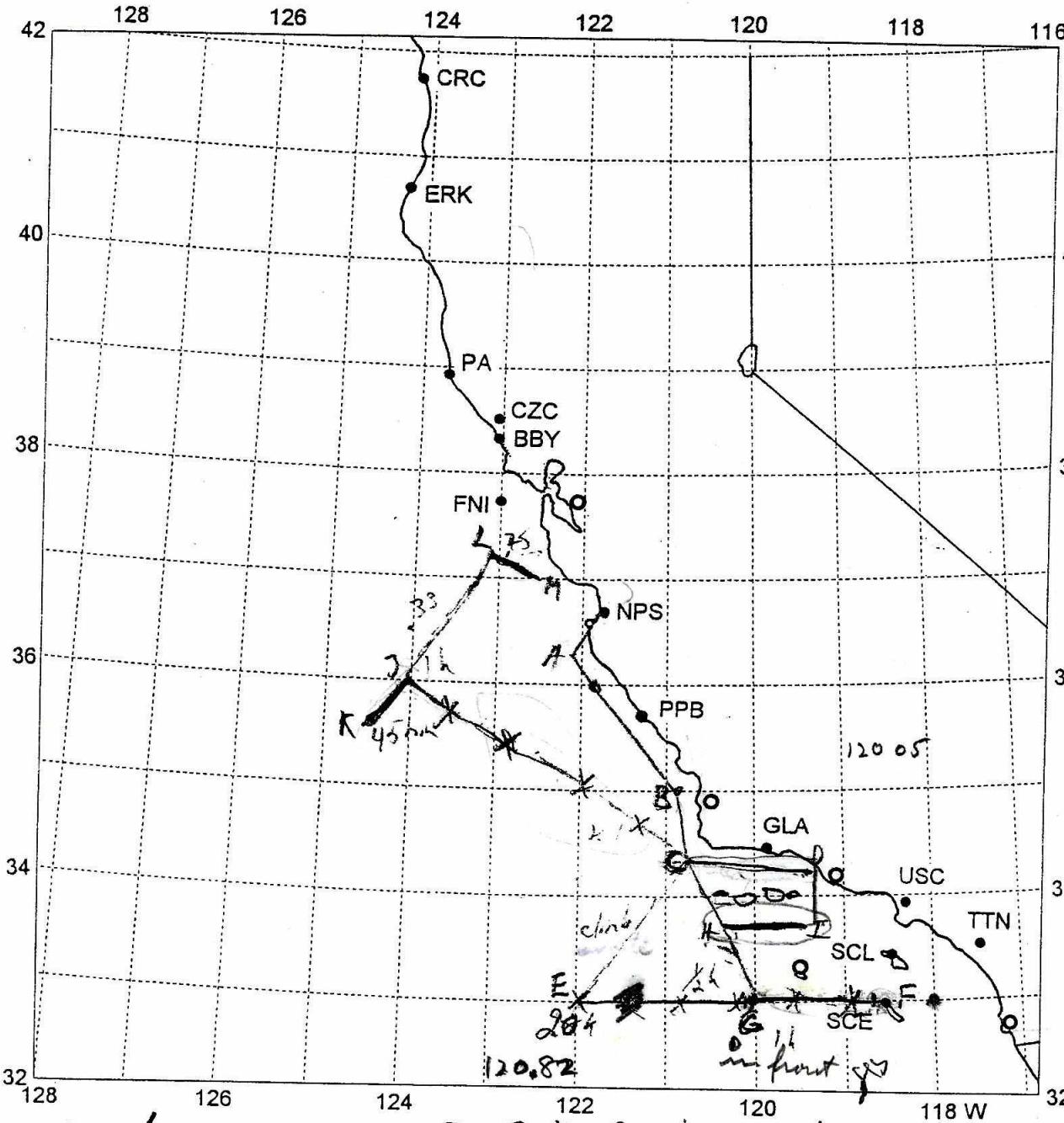
IOP: 9

Date and time of flight; start: 11Z Feb 3 end: 20Z Feb. 3

Purpose of flight: Prefrontal and cold air transect



A-C 5000'
C descent to 1000'
C-D 1000'
D spiral ascent to 5000'
D-C 5000'
C-E straight climb to 18,000'

E-F FL180 dropsondes
F - descent to ~~1500~~ 1500
F-G Flux stacks ~~1500~~, 200', 1000', 2000', ~~3500~~ 3500
G-H - descend to 1000'
H-I - 1000'
I-H - 5000'
H-C - 5000'
C- descend to 1000'

East of Front

3-5 spiral descent to 200', 1000', 2000', 3500'
5-K - flux stack 200', 1000', 2000', 3500'
5-L - 3500'
L-K - flux stack 200', 1000', 2000', 3500'

C-D 1000'
D-C 5000'
C - ascent to 18,000'
(-) N 220 - dropsondes

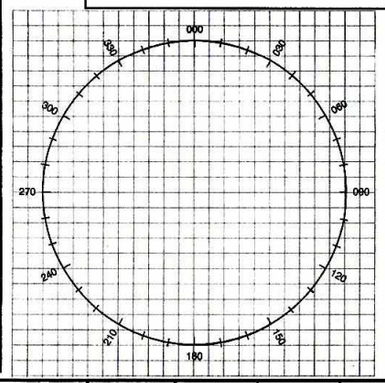
128.65 120 05 11845 11920

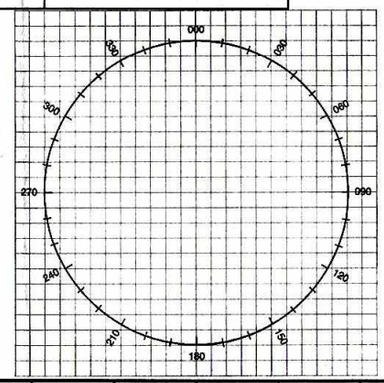
MISSION LOG

PAGE ___ OF ___

CLEARANCES

FREQ	ALT	HDG	OTHER





POSITION REPORT

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

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 _____, 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 _____ SOULS ON BOARD
- NATURE OF EMERGENCY
- ASSISTANCE DESIRED
- PILOT INTENTIONS
- WE HAVE _____ ENDURANCE REMAINING

TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
1129	VIS	3635.3N 121 51.4W	✓		✓																END/CHOCKS
1131		TGX1	2923																		
1139		TOFF																			
200	6PS	3558.3N 121 41.7W	3556.2N 121 41.8W	+1.1 -.1	3558.3 N 121 41.8 W	0 -.1			153	3L	150	002	202	13	5.5K	231					POS 1
313	6PS	3407.6N 121 01.6W	3407.2N 121 01.3W	+1.4 +.3	3408.9N 121 01.1W	-1.3 +.5			211	2R	213	211	187	36	7.8K	241					POS 2
1419	6PS	3302.2N 11807.7W	3301.4N 11806.3W	+.8 -.6	3304.3N 11806.2W	-2.1 +1.5			099	15L	084	268	184	67	2.8K	266					POS 3
1517	6PS	3303.7N 11914.6W	3303.4N 11919.9W	+.3 -.3	3306.3N 11918.7W	-2.6 +1.9			258	8R	266	274	174	36	1.5K	213					IP Boy Op
1616	6PS	3335.7N 12021.7W	3334.4N 12021.2W	+1.7 +.5	3338.7N 12020.6W	-3.0 +1.1			323	3R	326	172	303	30	1.0K	202					POS 4
1724	6PS	3349.4 N 12036.8 W	3347.6 N 12037.5 W	+1.8 -.7	3352.1 N 12034.3 W	-2.7 +2.5			086	3R	089	235	246	25	1.0K	215					POS 5
1815	6PS	3440.1 N 12048.7 W	3438.5 N 12050.7 W	+1.6 -2.0	3443.1 N 12047.0 W	-3.0 +1.0			332	2R	334	214	309	10	5.0K	231					POS 6
1930		LOWD MRD																			
1936	VIS	3635.3N 121 51.4W	3633.2N 121 53.8W	+2.1 -2.4	3637.8N 121 49.1W	-2.5 +2.3															CHOCKS

36N