

U.S. Dept. of Commerce / NOAA / Aircraft Operations Center

AOCWFI

Flt ID: 030224 u	From: KSJC	To: PANC
Flt No: 03 -	Blk In: 0321	ATA: 0313
ETD: 202	Blk Out: 1945	ATD: 1955
ETE: 032	Blk Time: 7.6	Flt Time: 7.3
Sponsor Org: NCEP	Program: 22 WSE TRACKXX	Purpose: Winter Storm

AOC Personnel

AC: Yates, G	Sys Eng: Hill, J ✓
CP: Parton, R; Finn, M	Data Sys: Carpenter, D ✓
Nav:	Radar:
FE: Rottveel, K ✓	GPS/BT: Brogan, D ✓
FD: White, J ✓	Cld Phys:
Avionics:	

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
Finke, M ✓	DM	NOAA

Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #)

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AOCWF2

Flt ID: 030224u Time Off: 1955 Time On: 0313

A/C (Take Off)

Wx Station (Take Off)

A/C (Land)

Wx Station (Land)

Pressure

1006.2

1004.4

999.8

1001.7

Number

Data Disposition / Date / Quality

Flt Lvl Tapes

1

Radar Tapes

—

Cloud Physics Tapes

—

Video Tapes

—

AXBT

—

AXCP

—

AXCTD

—

Dropsondes

21

20 Good

Video

Forward

Left Side

Right Side

Down

Remarks

Time On

Time Off

Rate

Remarks

"J" 152 090/6 v10 0245CT 040 BLU
16/8 29.73 12R

4K FL410 H10 120.1 596312

"A" 0572 140/8 10V 2300 3400 BLU 4K
3/1 29.60 ICS 14

2960 Y10K

N49RF AVAPS DropSonde Log

N49RF Project: GIS 03

Flight ID 030224N

Mission: San Jose - Anchorage Flight #: RF12

System Status: OK

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	OOD ☒
1	021 925 203	1	2036	0.4	20	JWH		✓
2	021 925 069	2	2047	0.6	—	JWH	No Launch Detected	—
3	020 615 242	3	2047	0	28	JWH	Slow Fall?, intermittent telemetry	?
4	014 415 058	1	2100	0	14	JWH		✓
5	014 515 119	2	2113	0	21	JWH		✓
6	014 515 114	1	2126	0	14	JWH		✓
7	014 515 020	2	2140	0	35	JWH		✓
8	014 515 118	1	2157	0	14	JWH		✓
9	014 515 116	2	2211	0	16	JWH		✓
10	014 515 019	1	2226	0	13	JWH		✓
11	014 415 054	—	—	—	—	—	Failed Prep (PTH)	—
12	014 335 127	2	2241	0	10	JWH		✓
13	014 335 128	1	2256	0	22	JWH		✓
14	014 335 067	2	2313	0	30	JWH		✓
15	014 335 065	1	2330	0	20	JWH		✓
16	014 415 057	2	2347	0	13	JWH		✓
17	021 925 199	1	0003	0.4	19	JWH		✓
18	021 925 211	1	0022	0.4	20	JWH		✓
19	014 335 068	2	0040	0	20	JWH		✓
20	021 925 027	1	0058	0	30	JWH		✓
21	021 925 212	2	0112	0.5	11	JWH		✓
22	021 925 206	1	0126	0.5	21	JWH		✓
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								

NWS

9

N49RF AOC GPS Dropwindsonde Log

Flight ID 030224u

Flight Director

White, S

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Mission ID 22USE Tredexx Storm Winter

Drop #	Sonde ID#	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Pres mb	WX Cond.	Comments	OB #	SatComm Failures	Send Time (UTC)
1	021925203	20 3603	35.5	126.1	1004.5	SCT	KWBC-205648	1	0	2053
2	021925669	20 4301				SCT	N/Launch Det		0	
2A	020615242	20 4345	34.0	126.1	1004.9	SCT	KWBC-210919	2	0	2111
3	014415058	21 0000	32.6	126.0	1002.3	SCT	KWBC-212504	3	0	2127
4	014515119	21 1302	31.2	126.2	1009.4	SCT	KWBC-220126	4	0	2201
5	014515114	21 2602	32.3	122.2	1003.6	SCT	KWBC-220257	5	0	2203
6	014515020	21 4034	33.6	128.4	1005.2	OK	KWBC-223509	6	0	2238
7	014515118	21 5744	35.1	129.2	—	SCT	KWBC-223838	7	0	2240
8	014515116	22 1133	36.3	131.0	1012.1	Low SCT	KWBC-224546	8	0	2246
9	014515019	22 2601	37.5	132.3	1005.5	SCT	KWBC-231219	9	0	2320
10	014335127	22 4102	38.2	133.6	1018.2	SCT	KWBC-232237	10	0	2322
11	014335126	22 5631	40.0	134.9	1020.3	OVC	KWBC-233525	11	0	2335
12	014335062	23 1314	41.3	136.5	1022.3	OVC	KWBC-233733	12	0	2338
13	014335065	23 3032	42.6	138.2	1022.2	SCT	N/A	13	1	2340
14	014415057	23 4225	43.9	139.8	1022.1	SCT	N/A	14	0	0044
15	021925199	200303	45.0	141.4	1019.8	Low SCT	N/A	15	1	0053
16	021925211	002201	46.3	143.6	1015.3	SCT	N/A	16	0	0055
17	014335068	004004	47.2	145.8	1013.8	Low OVC	N/A	17	1	0106
18	021925027	005603	49.0	148.1	1009.0	11	N/A	18	0	0119
19	021925212	011201	49.0	150.4	1012.3	OVC	N/A	19	0	0132
20	021925206	012644	49.1	152.9	1012.9	CLR	N/A	20	0	0202

030224h.log	Latitude	Longitude	Press	Temp	DP	WD	WS	MSL	Alt	G Alt	Head	Track	TAS	GS	V Vel	Event	Comments
19:38:27	37 21.52N	121 55.13W	1006.3	17.2	6.7	138.9	0.3	14.1	14.1	137.4	135.5	0.4	0.2	0.00	Engine Start		
19:44:56	37 21.52N	121 55.13W	1006.2	21.6	7.2	117.9	0.1	17.5	17.5	137.4	145.2	0.4	0.3	0.01	Taxi		
19:55:35	37 21.62N	121 55.44W	997.9	15.2	6.1	223.0	2.4	73.5	73.5	138.6	137.8	91.1	90.6	7.55	Takeoff	Taxi	
20:26:13	36 10.78N	125 04.36W	177.0	-49.3	-67.2	241.1	13.6	12328.5	12302.5	241.1	242.2	233.0	219.4	0.58	Level	FL410	
20:36:07	35 27.60N	126 05.39W	176.9	-48.6	-65.4	232.6	13.5	12341.3	12314.5	181.3	179.2	233.9	229.7	0.24	Sonde Launch	Drop 1	
20:46:59	34 07.44N	126 03.98W	176.9	-50.4	-64.8	236.6	20.1	12382.0	12353.6	183.2	179.2	232.3	227.1	-0.03	Sonde Launch	Drop 2	
20:47:48	34 01.45N	126 03.85W	177.0	-49.9	-64.7	237.1	22.3	12382.3	12353.7	183.6	179.1	232.8	227.1	0.11	Sonde Launch	Backup 2	
20:59:59	32 33.75N	126 01.99W	176.9	-52.8	-65.8	230.2	32.2	12440.8	12410.5	185.6	179.0	231.2	218.7	0.14	Sonde Launch	Drop 3	
21:13:03	31 11.67N	126 10.89W	177.1	-56.5	-67.5	260.6	49.0	12504.6	12472.6	304.5	313.9	227.0	194.2	-0.44	Sonde Launch	Drop 4	
21:26:03	32 17.74N	127 13.67W	177.3	-51.4	-66.5	276.6	34.2	12460.7	12430.0	315.2	322.4	230.6	205.4	0.20	Sonde Launch	Drop 5	
21:40:39	33 33.82N	128 24.77W	177.3	-49.8	-65.0	298.2	30.8	12410.0	12380.9	319.5	323.6	231.8	203.6	0.35	Sonde Launch	Drop 6	
21:57:48	35 05.57N	129 43.70W	177.3	-51.4	-65.4	308.3	25.6	12397.7	12370.3	317.2	319.5	231.5	206.3	-0.03	Sonde Launch	Drop 7	
22:11:34	36 15.76N	130 57.76W	177.3	-51.1	-65.4	337.0	25.0	12410.2	12384.0	320.3	319.6	234.1	210.2	0.58	Sonde Launch	Drop 8	
22:26:02	37 29.33N	132 15.29W	177.3	-53.7	-66.0	349.0	29.7	12432.5	12407.5	321.5	319.0	232.4	206.1	0.21	Sonde Launch	Drop 9	
22:41:03	38 44.17N	133 35.11W	177.3	-55.9	-67.6	334.1	32.1	12467.5	12443.7	320.7	319.7	228.6	197.4	-0.42	Sonde Launch	Drop 10	
22:56:37	40 01.33N	134 56.63W	177.3	-59.6	-68.9	336.7	29.6	12494.2	12471.9	318.5	317.4	227.5	199.3	0.29	Sonde Launch	Drop 11	
23:13:19	41 17.50N	136 32.59W	177.3	-60.9	-69.3	317.4	31.1	12534.4	12513.3	316.1	317.2	228.0	196.9	0.40	Sonde Launch	Drop 12	
23:30:36	42 34.79N	138 09.94W	177.2	-63.9	-71.0	311.9	34.4	12553.5	12533.8	315.2	317.1	225.9	191.5	0.03	Sonde Launch	Drop 13	
23:47:41	43 51.75N	139 47.99W	161.0	-61.3	-70.0	316.0	34.5	13137.7	13117.5	314.2	314.9	227.1	192.6	-0.43	Sonde Launch	Drop 14	
00:03:03	44 59.43N	141 23.20W	161.0	-60.9	-69.2	302.6	32.3	13131.0	13112.2	310.4	313.0	226.6	194.7	-0.19	Sonde Launch	Drop 15	
00:22:03	46 20.46N	143 36.68W	161.0	-57.3	-68.0	287.9	26.2	13108.7	13091.5	308.5	312.3	229.4	205.3	-0.01	Sonde Launch	Drop 16	
00:40:09	47 40.68N	145 49.00W	160.9	-55.2	-67.1	274.9	29.0	13070.7	13055.3	307.5	312.8	231.0	207.4	-0.17	Sonde Launch	Drop 17	
00:58:15	48 59.96N	148 07.36W	161.0	-53.5	-65.5	262.2	28.6	13018.0	13004.3	274.6	277.9	230.3	202.6	0.38	Sonde Launch	Drop 18	
01:12:12	49 00.03N	150 28.39W	146.2	-53.1	-65.2	263.8	18.3	13627.0	13611.4	267.8	269.2	231.8	213.5	0.04	Sonde Launch	Drop 19	
01:26:55	49 06.82N	152 56.56W	146.3	-49.9	-63.9	269.0	24.6	13609.7	13594.3	331.2	336.8	232.1	221.7	-0.13	Sonde Launch	Drop 20	
02:46:40	59 18.75N	150 35.55W	147.0	-63.0	-63.0	244.2	11.8	13366.4	13363.7	5.0	8.6	232.4	238.7	-6.42	Descend into PANC		
03:13:09	61 11.12N	150 00.39W	1000.1	-83.9	-0.2	357.4	11.0	40.2	40.3	163.6	163.8	26.0	36.6	-0.30	Land		
03:21:28	61 10.66N	149 59.99W	999.8	-83.7	-6.5	353.4	0.5	33.3	33.3	157.5	168.1	0.3	0.8	-0.00	stop		

G-IV Winter Storms Reconnaissance

KSJC-PANC 24Feb03

2000Z Takeoff

07+30

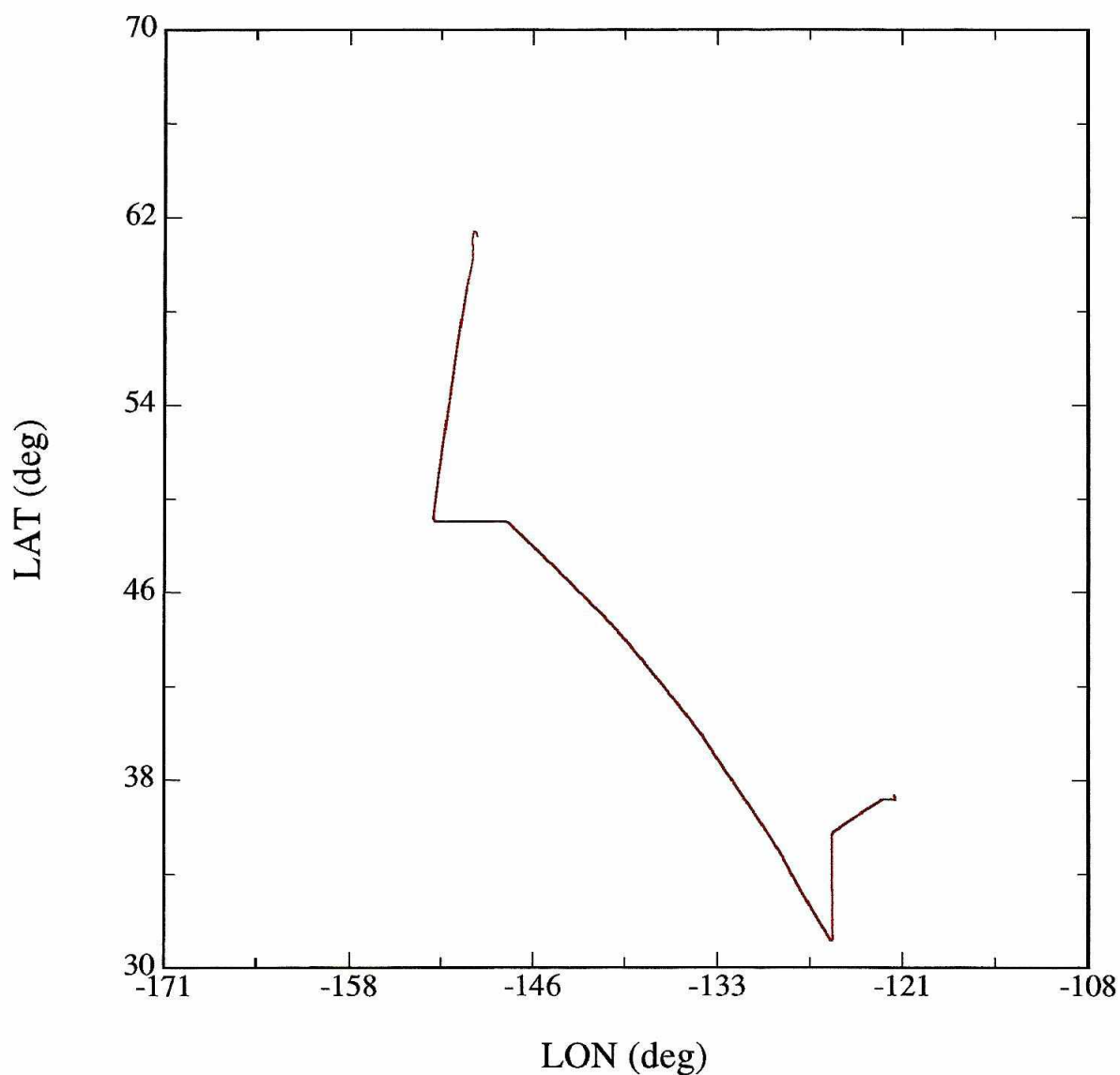
KSJC

Drop 1✓	CREAN	(3543.9N 12605.7W)
Drop 2✓	34 09N	126 04W +13Min
Drop 3✓	32 35N	126 02W +13Min
Turn 4✓	31 00N	126 00W +13Min
Drop 5✓	32 17N	127 13W +16Min
Drop 6✓	33 34N	128 25W +16Min
Turn 7✓	35 00N	129 38W +16Min
Drop 8✓	36 15N	130 57W +15Min
Drop 9✓	37 30N	132 16W +15Min
Drop 10✓	38 45N	133 36W +15Min
Turn 11✓	40 00N	134 55W +15Min
Drop 12	41 17N	136 32W +16Min
Drop 13	42 34N	138 09W +16Min
Drop 14	43 51N	139 47W +16Min
Turn 15	45 00N	141 24W +16Min
Drop 16	46 20N	143 36W +18Min
Drop 17	47 40N	145 48W +18Min
Turn 18	49 00N	148 00W +18Min
Drop 19	49 00N	150 30W +16Min
Turn 20	49 00N	153 00W +16Min

PANC 61 10.5 149 59.8

WinterStorms_2003, Flight #rf12

02/24/2003 UTC, 19:55:37-27:13:09



	mean	sigma	min	max
— LAT (deg), 1 s/sec	43.79	8.61	31.17	61.40
— LON (deg), 1 s/sec	-138.84	10.32	-152.98	-121.77

WAFB WASHINGTON
FIXED TIME FORECAST CHART
ICAO AREA F SIG WX
FL 250-630
VALID 00 UTC 24 FEB 2003
8 IMPLY MOD OR SEV TURB, ICE AND HAIL
HGT IN FLIGHT LEVELS, SPEEDS IN KNOTS
CHECK SEGMENTS FOR VOLCANIC ASH