

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

AOCWF1

Flt ID: N030118	From: PHNL	To: PHNL
Flt No: 03-19	Blk In: 0357Z	ATA: 0348Z
ETD: 2000Z	Blk Out: 1953Z	ATD: 2003Z
ETE:	Blk Time: 8:04 (8.1)	Flt Time: 7:45 (7.8)
Sponsor Org: NCEP	Program: WINTER STORMS	Purpose: TRACK 37

AOC Personnel

AC: McCANN	Sys Eng: SMITH
CP: FINN/POSTON	Data Sys: HORN BROOK
Nav:	Radar:
FE: KITSON	GPS/BT: BROGAN
FD: DAMIANO	Cld Phys:
Avionics:	PM PARRISH

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
KUSTER, B	AIR CHEM	NOAA/ARL
NORTHWAY, M	AIR CHEM	NOAA/ARL

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

29.92 1432

19537
2201426
1724
27
27
74
025

U.S. Dept. of Commerce / NOAA / Aircraft Operations Center						AOCWF2
Flt ID: <i>N 030118</i>		Time Off: <i>2003Z</i>		Time On: <i>0348Z</i>		
AVC (Take Off)		Wx Station (Take Off)		AVC (Land)		Wx Station (Land)
Pressure		<i>1013.5</i>		<i>29.93/1013.6</i>		<i>1011.1</i>
Number		Data Disposition / Date / Quality				
Flt Lvl Tapes		<i>1</i>				
Radar Tapes						
Cloud Physics Tapes						
Video Tapes						
AXBT						
AXCP						
AXCTD						
Dropsondes		<i>20 18 good; 2 bad 18 messages sent</i>				
Video						
	Forward	Left Side	Right Side	Down	Remarks	
Time On						
Time Off						
Rate						
Remarks <i>Called CARCAH at 0025Z to verify obs getting through + was told that OBS 1-8 had bad time/day in UBT13 header. Called SR. Duty Meteorologist at NCEP at 0040Z and he confirmed that OBS 1-8 are getting through. 0225Z called CARCAH and all is fine</i>						

Flight ID: 1030118

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Form 413-50

Time	Lat	Long	Trk	Hdg	Wind Dir	M/Kg Spd	T _a	T _d	Press. Alt	Geo. Alt	Sfc Press.	Press. Sfc	Dyn. Press	Remarks
203900	23 16	154 13	57	40	300	69	-57.5	-69.9	12466	12978	—	175.6	89.3	ABV BKN SC
205000	24 08	152 55	43	24	297	73	-58.0	-70.9	12463	12934	—	175.6	88.5	ABV OVC CB
210300	25 21	151 40	43	23	295	78	-58.2	-71.8	12466	12880	—	175.7	89.2	OVC THUNDER
210709	25 45	151 14	51	34	291	77	-58.4	-71.9	12461	12843	—	175.7	87.8	DROP (18)
211800	26 31	149 43	61	48	285	67	-59.3	-72.1	12470	12810	—	175.8	88.5	OVC BCLW
212453	27 00	148 45	61	49	286	57	-59.5	-72.4	12475	12800	—	175.9	89.8	DROP (24)
214234	28 15	146 15	62	52	280	53	-57.7	-71.5	12470	12740	—	176.0	84.5	DROP (60)
220153	29 30	143 29	59	51	285	36	-60.4	-72.6	12471	12724	—	175.9	88.0	DROP (15)
222112	31 00	141 00	45	34	289	42	-57.8	-72.4	12471	12703	—	175.9	87.9	DROP (21)
224033	33 00	139 15	28	19	280	30	-60.9	-73.5	12474	12681	—	175.9	88.7	DROP (11)
225300	34 26	138 28	25	17	271	30	-60.6	-74.2	12470	12660	—	176.0	87.7	ABV OVC-CB
230007	35 16	138 02	354	347	269	25	-58.4	-73.7	12471	12649	—	175.9	87.8	DROP (18) LOST WINDS
230614	35 57	138 18	340	332	264	31	-60.0	-73.9	12474	12626	—	175.9	87.8	DROP (30)
231948	37 30	139 00												DROP (16)
233750	39 44	140 03	307	297	198	35	-56.5	-72.1	13042	13095	—	159.7	79.8	DROP (28)
235358	40 15	142 30												DROP RAD
235750	40 15	143 05												DROP (24)
001043	40 15	145 00												DROP (28)
002807	39 44	147 30	231	228	217	29	-51.0	-67.1	13046	12815	—	159.7	80.2	DROP (15)
004336	38 30	149 00	216	214	219	27	-49.7	-67.2	13050	12881	—	159.6	80.6	DROP (21)
010144	36 45	150 15	210	212	232	31	-49.5	-66.4	13041	12886	—	159.9	79.1	DROP (18)
012018	35 00	151 30	206	210	244	34	-52.4	-67.5	13048	12929	—	159.8	79.6	DROP (25)
013953	33 00	152 30	203	212	269	42	-49.7	-67.8	13607	13627	—	144.9	74.3	DROP (28)
015958	31 00	153 30	204	217	266	64	-56.3	-69.3	13608	13709	—	145.0	72.6	DROP (15)
022116	29 00	154 30	200	218	275	78	-62.0	-72.5	13610	13838	—	144.9	73.2	DROP (19)

N49RF AVAPS DropSonde Log

N49RF Project: Winter Storms 03 Flight ID: 030118m

Mission: _____ Flight #: RF01 System Status: _____

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	GOOD ☒
1	022 625 046	1/5	2107	Ø	58	JS/DB		✓
2	013 248 077	1/5	2125	Ø	24			✓
3	013 945 197	2/6	2142	0.4	60			✓
4	011 245 462	1/5	2201	Ø	15			✓
5	013 945 123	1/5	2221	Ø	20			✓
6	003 825 209	1/5	2240	Ø	11			✓
7	013 635 247	1/5	2300	-8	18		Winds went flakey 4 min after launch	B
8	003 825 046	2	2306	-5	<30		DROP 7 BU	✓
9	025 045 248	1/5	2319	Ø	16			✓
10	011 838 011	1/5	2337	Ø	✓			✓
11	020 615 048	2/6	2353	Ø			Flakey winds - IRIDIUM?	B
12	025 018 079	3	2357	0.4	34		DROP 10 BU	✓
13	022 918 043	1/5	0010	Ø	28		DROP 11	✓
14	025 018 071	2/6	0028	Ø	15		DROP 12	✓
15	025 018 075	1/5	0043	Ø	21		#13	✓
16	003 148 006	1/5	0101	Ø	17		#14	✓
17	025 018 068	2/6	0120	Ø	<30	V	#15 -	✓
18	011 345 029	1/5	0140	Ø	38		#16 - slightly fast fall	✓
19	014 335 103	1/5	0208	Ø	15			✓
20	025 045 247	1/5	0221	Ø	19			
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								

Charge all drops to NWS

#3 190505

47 190627

N49RF AOC GPS Dropwindsonde Log

Flight ID N030118

Flight Director DANIEL

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Mission ID DLWSC

Storm TRAC 37

SERIAL

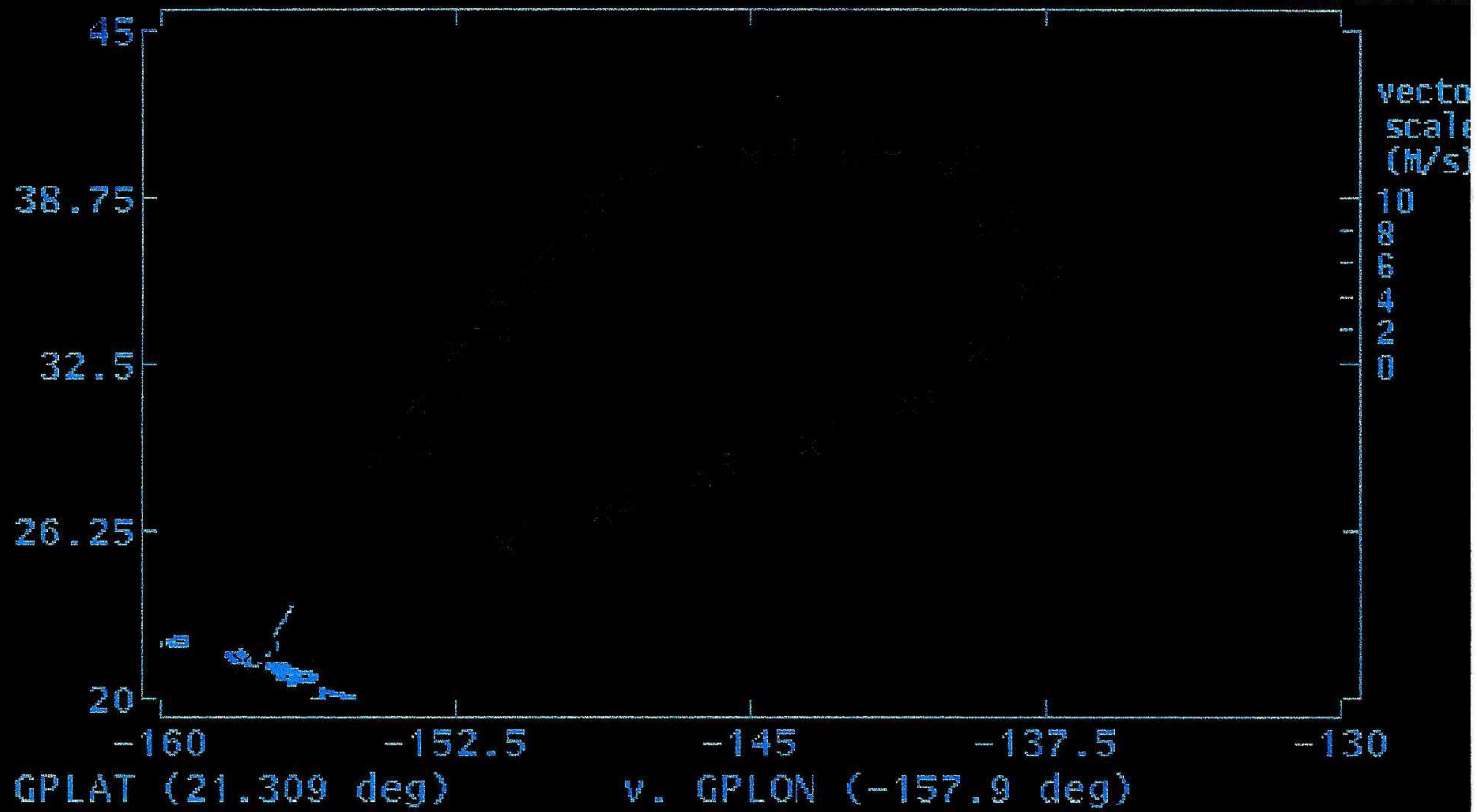
Drop #	Serial #	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Pres mb	WX Cond.	Comments	OB #	SatComm Failures	Sent Time (s)
1	01265846	210709	25.45	151.14	1012.3	OVC CB	KWBC 044409	1	4	2142
2	01324807	212453	27.00	148.45	1012.6	OVC CB	KWBC 045543	2	—	2153
3	01344947	214234	28.15	146.15	1010.3	OVC CIR	KWBC 051121	3	1	2210
4	011245462	220153	29.30	143.29	1013.1	OVC CIR	KWBC 052848	4	—	2227
5	01394503	222112	31.00	141.50	1016.3	OVC CIR	KWBC 053957	5	1	2246
6	00382509	224033	33.00	139.15	1017.1	OVC CIR	KWBC 060743	6	—	2307
7	01363507	230007	35.16	138.02	1016.8	OVC CIR	LOST WINDS 5000 ft. No data	7	—	2327
8	003825046	230614	35.57	138.18	1017.7	OVC CIR	KWBC 063009	7	—	2327
9	01363507	231948	37.30	139.00	1016.0	OVC CIR	KWBC 064722	8	—	2345
10	011838011	233750	39.44	140.03	1012.7	OVC CIR	KWBC 140754	9	—	0008
11	01363507	235358	40.15	142.30	1012.0	OVC CIR	NO WINDS	10	—	0019
12	025018079	235750	40.15	143.05	1010.4	THN SCT CIR	KWBC 141845	10	—	0019
13	022918043	001043	40.15	145.00	1009.8	THN SCT CIR	KWBC 143003	11	—	0035
14	025018071	002807	39.44	147.30	1008.6	THN SCT CIR	KWBC 145827	12	1	0058
15	025018075	004636	38.00	149.00	1005.7	THN SCT CIR	KWBC 150207	13	—	0108
16	003148006	010144	36.45	150.15	1008.2	THN SCT CIR	KWBC 153510	14	—	0135
17	025018078	012018	35.00	151.30	1008.8	OVC CIR	KWBC 155203	15	—	0152
18	011345029	013953	33.00	152.30	1009.0	OVC CIR	KWBC 161426	16	—	0214
19	014339003	015958	31.00	153.30	1009.4	OVC CIR	KWBC 163600	17	—	0236
20	025045247	022116	29.00	154.30	1009.3	SCT CB	KWBC 164344	18	—	0243
21										

INCR Header Time +7 Hrs

045FC WIND

301-763-8298 SR. Duty Meteor at WCEP

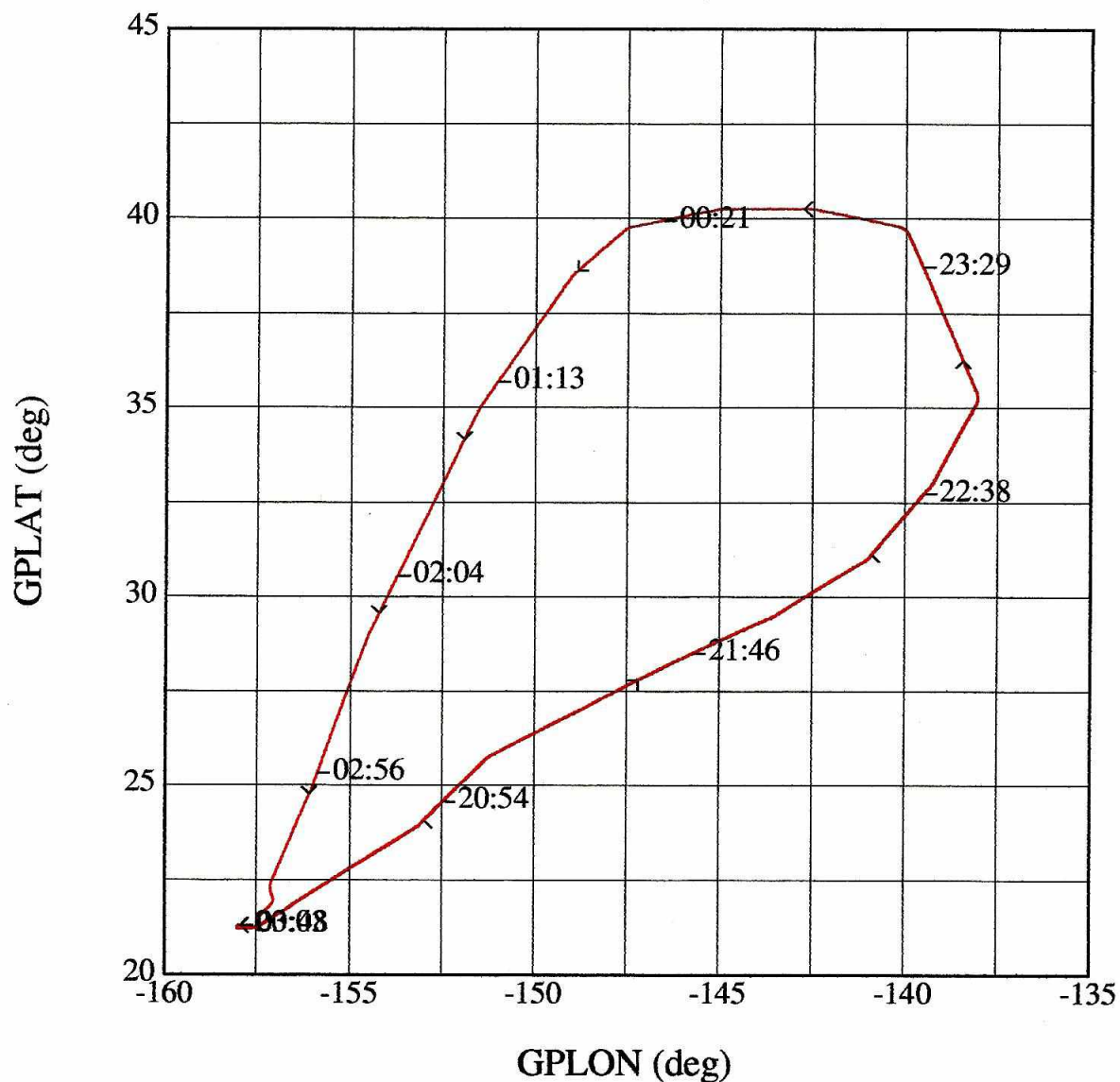
03:14:09 to 03:50:08



WinterStorms_2003, Research Flight #1

01/18/2003 UTC, 20:03:00-03:48:00

TRACK 37



—	GPLAT (deg), 1 s/sec	mean	sigma	min	max
	GPLON (deg), 1 s/sec	30.81	6.13	21.20	40.26
		-149.09	6.29	-158.00	-138.04