

22 2649
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U.S. Dept. of Commerce / NOAA / Aircraft Operations Center

AOCWF1

Flt ID: 030129N	From: PHNL	To: PHNL
Flt No: 03-020	Blk In: 0256Z	ATA: 0249Z
ETD: 2000Z	Blk Out: 1953Z	ATD: 2004Z
ETE:	Blk Time: 7:03 (7.1)	Flt Time: 6:45 (6.8)
Sponsor Org: NCEP	Program: WINTER STORMS	Purpose: TRACK 39

AOC Personnel

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

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
NORTHWAY, M.	AIR CHEM	NOAA NOAA ARL
De Gouw, J.	AIR CHEM	NOAA ARL
WILHELM, A.	OBS	NOS

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

AFTER 1/0 CLD TOP 7800 PA
FT

CALL CARCAH 2225Z
" " 0050Z
0128Z

Recc DSM out 235149Z-235400Z

22
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R 0215Z

29.95 120/7

U.S. Dept. of Commerce / NOAA / Aircraft Operations Center AOCWPF2

Flt ID: 030129N Time Off: 2004Z Time On: 0249Z

	AVC (Take Off)	Wx Station (Take Off)	AVC (Land)	Wx Station (Land)
Pressure	1016.8	30.04 (1017.0)	1014.2	29.97 / 1014.8

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes	1	
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes	19	17 good; 2 bad; 17 messages sent lots of data comm glitches

Video

	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					

Remarks

Flight ID:

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

970-413-50

Time	Lat	Long	Trk	Hdg	Wind Dir	Wind Spd	T _a	T _s	Press. Alt	Geo. Alt	Slc Press.	Press. Slc	Dyn. Press	Remarks
201340					250	23	-7.8	-36.5				500		ABV OVL SC
202205					234	49	-52.8	-46.0				300		ABV OVL SC
202930					242	62	-50.1	-62.2				200		ABV OVL/BKN SC
203420	2355	15933	337	319	249	68	-56.7	-68.3	12468	12978	—	175.6	86.6	ABV OVL/BKN SC
205800	2630	16046	336	318	245	67	-54.1	-70.2	12471	12831	—	175.5	89.3	ABV SCT. CLR/SC
211500	2822	16141	336	320	248	57	-54.3	-69.2	12469	12676	—	175.7	86.4	ABV SCT CU
212048	2900	16200	334	320	248	50	-54.6	-70.0	12472	12648	—	175.8	89.7	DROP (50)
213734	3045	16300	334	323	268	45	-48.3	-67.3	12474	12543	—	175.5	88.5	DROP (2)
215451	3230	16400	331	321	276	43	-46.7	-65.7	12474	12484	—	175.6	88.4	DROP (1)
221328	3415	16515	321	315	288	38	-47.6	-65.6	12476	12366	—	175.6	88.1	DROP (20)
222834	3530	16630	309	306	301	37	-47.3	-65.4	12475	12343	—	175.6	88.9	DROP (27)
224347	3615	16815												DROP (17)
225645	3615	17000	261	268	304	44	-45.9	-65.0	12476	12408	—	175.7	89.7	DROP (34)
231005	3600	17145	261	268	308	47								DROP 45M
231129	3558	17156	261	268	308	46	-49.3	-66.4	12529	12586	—	174.3	88.3	DROP NO WND
231545	3554	17230												DROP (18)
232345	3545	17330	255	265	305	57	-47.2	-65.7	12764	12860	—	167.3	84.7	DROP (9)
233807	3512	17515	216	227	306	52	-49.2	-67.0	12763	12921	—	167.4	83.5	DROP (5)
235151	3330	17600	194	204	317	50	-48.7	-66.6	12764	13016	—	167.5	84.9	DROP (25)
000649	3130	17630	193	204	305	52	-49.0	-66.4	12763	13119	—	167.4	84.5	DROP (42)
002220	2930	17857	141	145	298	48	-51.8	-68.0	12765	13199	—	167.8	83.9	DROP (46)
004135	2715	17459	125	123	308	44	-53.6	-68.4	13054	13543	—	159.8	80.1	DROP (45)
010143	2600	17200	110	104	311	47	-55.8	-69.8	13348	13845	—	152.3	76.6	DROP (27)
012126	2500	16900	106	102	299	43	-56.1	-70.2	13351	13843	—	152.3	76.2	DROP (20)
014038	2425	16600	111	110	289	34	-57.9	-71.6	13633	14140	—	146.7	72.8	DROP
021620	2220	16053	110	113	269	48	-60.4	-72.9	13238	13726	—	155.0	86.1	CLR

N49RF AVAPS DropSonde Log

N49RF Project: Winter Storms '03 Flight ID 030129N

Mission: _____ Flight #: RF 02 System Status: OK

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	OOD ☒
1	011 335 092	1	2121	0	50	0.82		✓
2	993 655 030	2	2137	0	22	0.82		✓
3	011 245 459	1	2154	0	18	0.82		✓
4	011 378 016	2	2213	-0.3	20	0.82		✓
5	011 245 465	1	2228	0	27	0.82		✓
6	013 635 078	2	2243	0	17	0.82		✓
7	011 245 214	1	2256	-0.6	34	0.82		✓
8	011 838 030	2	2310	0	30	0.82	LOST TEMP+ALT	
9	012 225 101	3	2311	0	—	0.82	NO WINDS	
10	993 948 038	4	2315	-0.5	18	0.82		✓
11	013 635 231	1	2323	0	9	0.82		✓
12	003 115 428	2	2339	0	25	0.82		✓
13	025 045 255	1	2351	0	25	0.82		✓
14	025 018 024	2	0007	0	42	0.82		✓
15	020 615 315	1	0022	0.2	46	0.82		✓
16	013 945 036	1	0041	0	45	0.82		✓
17	011 335 126	1	0101	-0.3	29	0.82		✓
18	025 045 244	1	0121	0	20	0.82		
19	013 945 035	2	0141	-0.4	34	0.82		
20								
21								
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23								
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28								
29								
30								
31								
32								
33								

CHARGE ALL DROPS TO NWS

794.8 (1st) 02PN13 1017.0

SELECT FILEN + NJ7 UPLOADS

2200 769.6

N49RF AOC GPS Dropwindsonde Log

Flight ID 030129N

Flight Director DAMIANO

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Mission ID 84WSC Storm TRACK39

KWBC-dt. 799.0

Drop#	id# SERIAL	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Prs mb	WX Cond.	Comments	OB #	SatComm Failures	Sent Time
1	99365030	213734	3045	16300	1014.0	SET CU	KWBC 120422	2	-	2205
2	011378016	221328	3415	16515	1011.2	SET CU	KWBC 123858	4	-	2239
3	013635078	224347	3615	16815	1011.6	SET CU	KWBC 130536	6	-	2305
4	011838030	231005	3600	17145	1013.4	SET CU	KWBC 132940	7	-	2329
5	013635078	231545	3554	17230	1015.2	SET CU	KWBC 134229	8	-	2342
6	003115428	233807	3512	17515	1017.9	SET CU	APT TIME 140233	10	-	0002
7	025018074	000649	3130	17630	1021.3	over-set CU	KWBC 143014	12	-	0030
8	013945036	004135	2715	17959	1021.2	-SET SC	KWBC 150712	14	11	0107
9	013945036	010143	2600	17200	1020.4	over-set	KWBC 152855	16	111	0125
10	025018074	012126	2500	16900	1019.0	SET SC	KWBC 154855	17	111	0149
11	013945036	014102	2415	16600	1018.1	1/5 SC	KWBC 162855	18	-	0205
12										
13										
14										
15										
16										
17										

2300 Sent Twice
ERR IN VERIFICATION
NO TEMP
VDS
SENT AGAIN
00483
ERR IN VERIFICATION

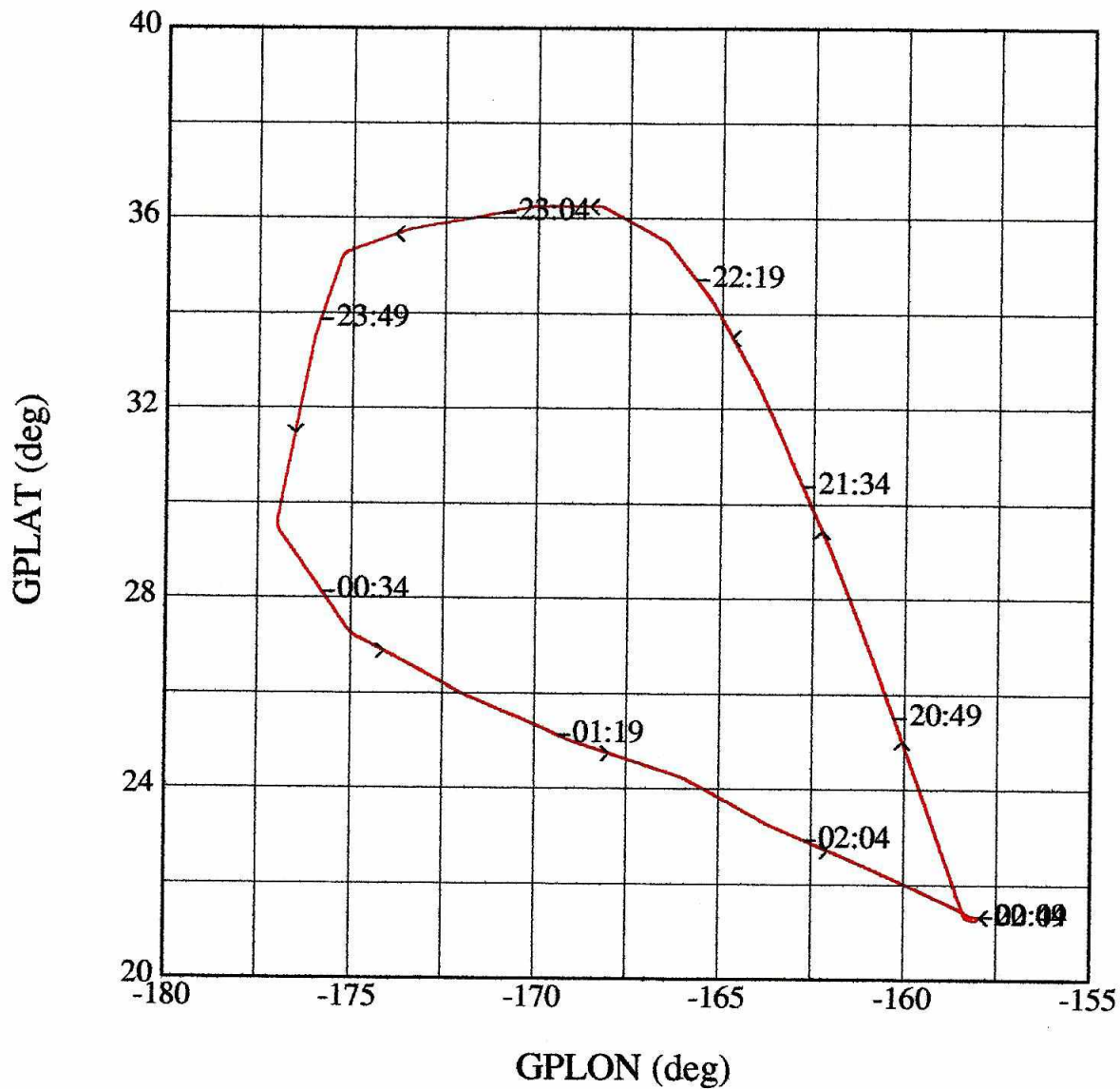
ERR NO VDS
ERR NO VDS

8A
8B
8C
9
10
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837.3 862.6 791.6

WinterStorms Flight #2

01/29/2003 UTC, 20:04:00-02:49:00



— GPLAT (deg), 1 s/sec GPLON (deg), 1 s/sec	mean	sigma	min	max
	28.71	5.07	21.24	36.25
	-166.85	6.11	-176.97	-157.93