

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

AOCWFI

Flt ID: 020120N	From: KMCF	To: KMCF
Flt No: 02-19	Blk In: 1835Z/0103Z	ATA: 1828Z/0059Z
ETD: 15Z/20Z	Blk Out: 1455Z/1920Z	ATD: 1506Z/1929Z
ETE: 1830Z/0130Z	Blk Time: 3:40 / 5:43 9.4	Flt Time: 3:22 / 5:30 8.9
Sponsor Org: NOAA	Program: WS 2002	Purpose: Ferry to ANC

AOC Personnel

AC: MLCANN, B	Sys Eng: HORN BROOK, C
CP: POSTON, R / MAXSON, B	Data Sys: MINAMARA, R
Nav:	Radar:
FE: KITSON, G	GPS/BT: LINO, D
FD: CZYZYK, S	Cld Phys:
Avionics:	PM: PARRISH, J ✓

Participating Scientists / Visitors / AOC

Name (Last, First)	Activity on Aircraft	Affiliation
JAKOVBER, R ✓	OZONE PROBE	NOAA/AL

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

ABORT FIRST LANDING @ KFSD
2353Z 020/08 105M FEW 070 SCT 250 -5/-13

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AOCWF2

Flt ID: 020120N

Time Off: 1506Z/1929Z/

Time On: 1828Z/0059Z

	A/C (Take Off)	Wx Station (Take Off)	A/C (Land)	Wx Station (Land)
Pressure	1019.9/949.9	30.11/29.53	950.6 /	29.56 / 29.69

	Number	Data Disposition / Date / Quality
Flt Lvl Tapes		
Radar Tapes		
Cloud Physics Tapes		
Video Tapes		
AXBT		
AXCP		
AXCTD		
Dropsondes		

Video

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

Remarks

020120N

Form 413-50

Form 413-50

TIME	LAT	Lon	Tk	HD	TA	TD	WD	WS	PA	GA	PS	QL	REMARKS
153830	3033	8253	325	316	-62.5	-72.8	274	45.1	13074	13580	161.3	84.4	FL 430
162440	3443	8724	323	310	-59.4	-71.9	211	57.7	13013	13419	161.2	87.6	
171140	3850	9121	321	306	-55.5	-69.2	254	64.5	13061	13191	161.6	89.0	W OF ST. LOUIS
174850	4207	9459											DESCEND
					LE6	2							
200445	4456	10112	292	288	-45.1	-63.8	267	28.3	11902	11531	195.8	92.4	FL 390
215510	5038	11720	307	304	-50.9	-67.2	291	23.3	11899	11486	195.8	102.6	
225745	5448	12726	307	303	-47.1	-63.2	278	21.1	11897	11358	195.9	104.2	
234245	5752	13542	300	299	-46.1	-63.4	291	16.5	11898	11330	195.8	104.1	
000312	5903	14000	297	296	-47.6	-64.1	297	18.4	11895	11334	196.0	104.7	DROP #1

N49RF AVAPS DropSonde Log

N49RF Project: WS 2002 Flight ID 020120N

Mission: Transit Flight #: 1 System Status: OK

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments / Drop Status/ Failure Reason	GOOD ☒
1	003115238	1	0003	0	19	→		✓
2	003135342	2						
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								

G-IV Dropsonde Transmission Log

Proj. Name: WS2002

Mission ID: TRAIN[illegible]

020120N FERRY

1508-2500
1534-1754 + 1939-2438

H6232 SPIKE 1552-1553

VERY CLEAN DATA

GPGRAT SPIKES/DAYS 1531:30-1532:30, 1540-1542:30,
1616-1616:30, 1644-1645, 1720-1720:30, 1744-1744:30,
2138-2138:30, 2150-2151, 2314-2315, 2322-2323,
2351:30-2352:30, 2354-2354:30, 0044-0044:30,
0046-0047,

AT2

TAS2

DPAC

LOT-PITR

LOW ~~0000~~

VIEW ~~0000~~

VNS-PITR

PITCH-PITR

PS2M

QC2M

ROLL-PITR

THDG-PITR

AP2

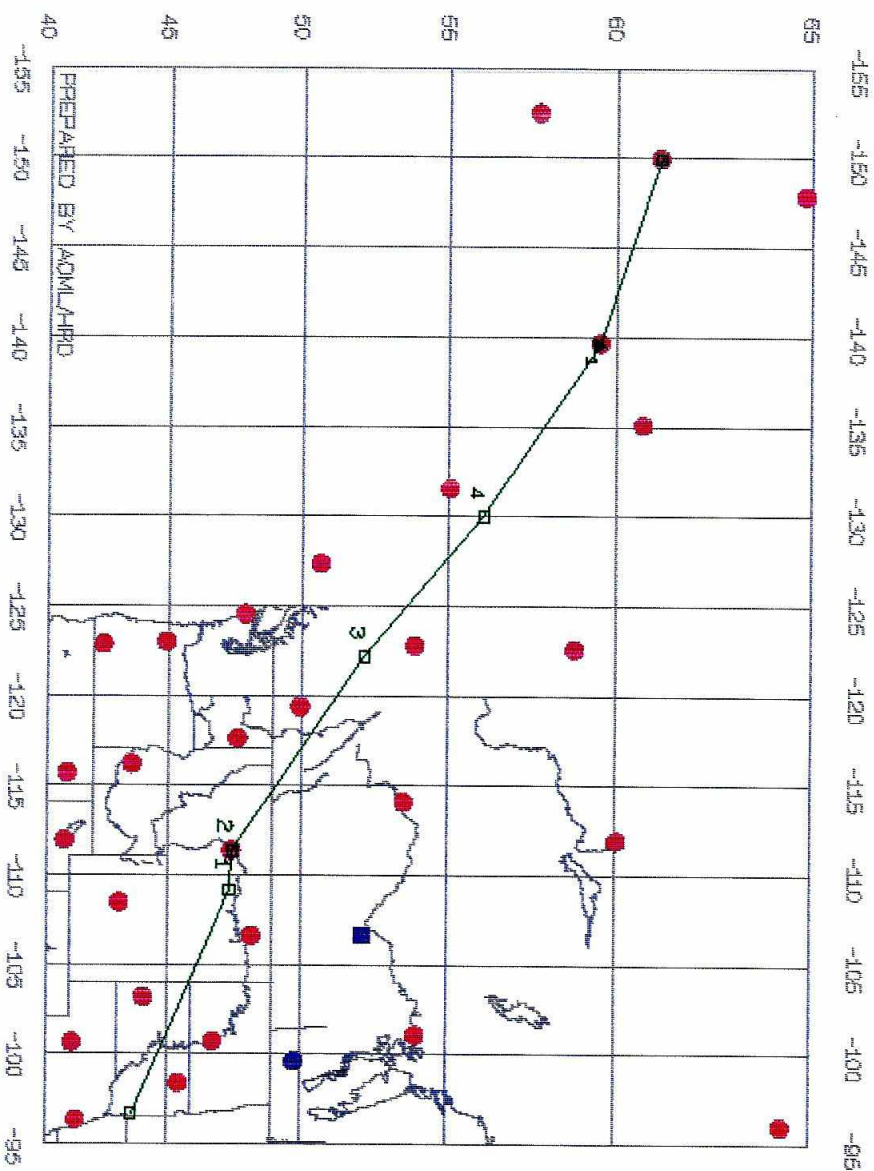
BP2

DAP2

DBP2

VSPD-PITR

1935



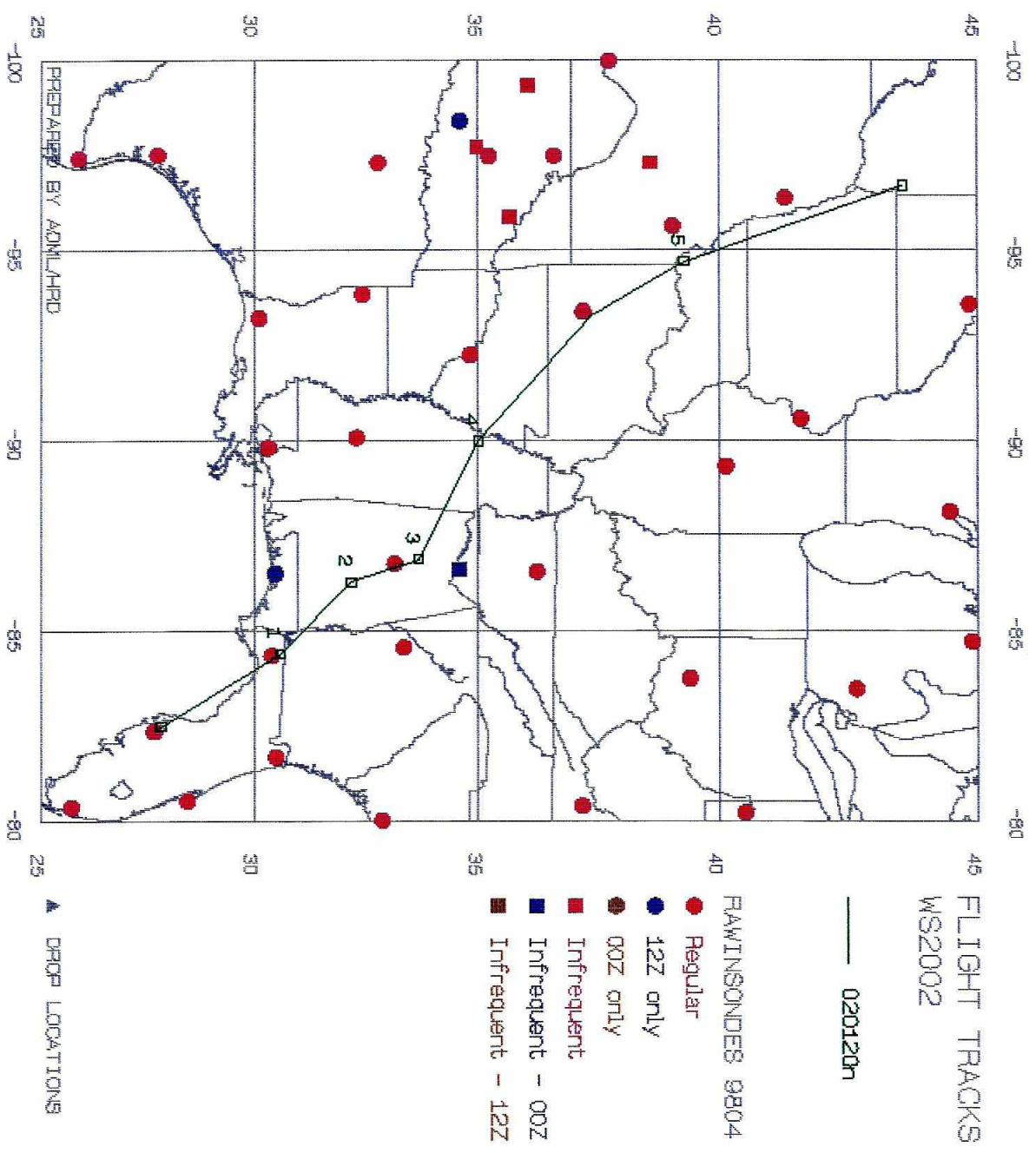
FLIGHT TRACKS
WS2002

020120nb

RAWINSONDES 9804

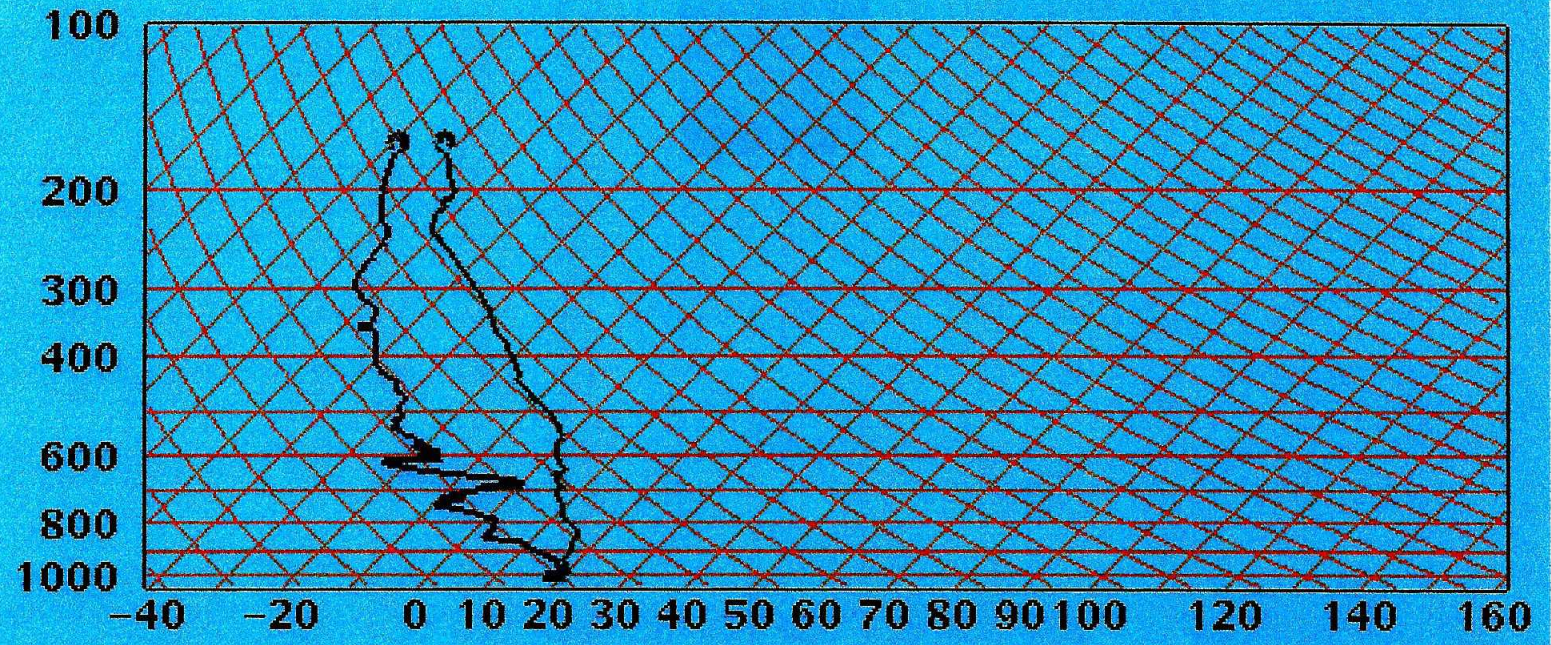
- Regular
- 12Z only
- 00Z only
- Infrequent
- Infrequent - 00Z
- Infrequent - 12Z

▲ DROP LOCATIONS



Std Skew-T

15:02:18 to 15:32:58



DPXC (-68.51 C)	v. PSXC (162.98 mbar)
ATX (-61.61 C)	v. PSXC (162.98 mbar)

NOAA/AOC/SED N49RF Flight Performance log

N49RF Project: Winter Storms 2002 Project No. 201 Flight No. FF1 Flight ID: 020120NSED Crew: Hornbrook, Lino, Vachammarra Mission: _____Pre-Flight: 1411 Z Take-Off: 1506/1929Z Landing: 1828/0059 Z

SYSTEM			Pre-Flight Check	In-Flight	Post-Flight Check	
N A V	IRS #1					
	IRS #2					
	GPS Honeywell #1		CH			
	GPS Honeywell #2		CH			
	GPS Collins		CH		Off? ☒	
	Nose Radar - Collins				Off? ☒	
T E M P / D P		Time	Temp °C		Time	Temp °C
	Temp #1			RJM		
	Temp #2			↑		
	Temp #3			↓		
	Temp #4					
	DP Left				Cal. Time:	
	DP Right			RJM	Cal. Time:	
	CRYO			N/I		
P R E S S	Attack Angle (ADCAOA)			RJM		
	Angle of Attack (APx, DAPx)			↑		
	Sideslip (BPx, DBPx)			↓		
	Static Pressure (PS1M, PS2M)					
	Dynamic Pressure (QCxM)			RJM		
	Radome Press. Lines		Checked? ☒ Date: 9/12/02	(1)		
S Y S T E M S	SATCOM (Flight Phone) ☒				Off CB? ☒	
	Call COMSAT? ☐ (*292#)		CB's Checked? ☐			
	Iridium Phone		ON? ☒		OFF? ☒	
	FCU/UPS/CB				UPS off? ☐	
	MADS (WINDS/DISCWIN)		CH		# DATs: 1	
	Printer 1 (lp1)		Power? ☒ Paper? ☒		Printer Power off? ☒	
	MADS Cal. Date:		QC time: _____		QC time: 0102	
	HAPS System		Time set? ☐		# Msg.: 1 # Fail: 0	
	AVAPS System		DL			
	Exterior Walk Around ☒		CH			
	Inspect Drop Sonde Chute Bolts			DL		
M I S C	Down Port Door (Ozone Inst.)		Cover OFF? ☒		Cover ON? ☐	
	AVAPS Sondes		# On Board: 62	# Dropped: 1	# Good: 1	
	Sci. Power Monitor					
	APN-232 Altimeter		CH			
	Modem		Power On? ☒			
	Additional Instrumentation:		L1 60Hz IP CB ON? ☒	After Take Off	L1 60Hz IP CB OFF? ☒	
	AL Ozone Data System		L1 400Hz CB ON? ☒	L1 Pump Switch ON? ☒	L1 400Hz CB OFF? ☒	
		Computer ON? ☒		Computer OFF? ☒		
	Crew Responsibilities Assigned					

1	DAT Tape #1	On: 1450	Type: 60	Off: 0104
	Comments:			

Please Note Any Discrepancies

[illegible]