

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

Flt ID: 060301 N	From: PANC	To: PANC
Flt. No: 06-045	Blk In: 0312 Z	Time On: 0308 Z
ETD: 2000 Z	Blk Out: 1939 Z	Time Off: 1947 Z
ETE: 7+30	Blk Time: 7+33 (7.6) Hrs	Flt Time: 7+21 (7.4) Hrs
Sponsoring Org: NCEP	Program: Winter Storms	Purpose: Flight 17

AOC Flight Crew

Aircraft Commander: Finn, m	Data System: Brogan
Co-Pilot: Longenecker, J / Odell, W	AVAPS:
Navigator: /	System Eng: Rogers
Flight Eng: /	A A:
Flight Director: Mayeaux /	A A:
Avionics: Olney	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation

Remarks (Storm Name, Mission ID, Recco Times, Fix Times)

Recco Times

Fix # Fix Time

Storm Name: _____

Mission ID: NOAA 21WSC Track 26

Penetration number and time

Left Penpoint is most correct
checked sounding text

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Flight ID: 060301		Time Off: 1947 Z		Time On: 0308 Z	
A/C: Takeoff		Wx Station: Takeoff		A/C: Land	
Wx Station: Land					
Pressure	1019.6 mb	3021 mb	1017.2 mb	3019 mb	
ATIS	Time	Observation			
Takeoff	1853 Z	01006KT 105m few020 -M15/M23 A3021			
Land	0153 Z	36005KT 105m OXn200 M11/M21 A3019			
	Number	Data Disposition / Date / Quality			
Flight Level Tapes					
Radar Tapes					
Cloud Physics Tapes / CDs					
Video Tapes					
Dropsondes		Good: Bad:			
AXBT					
AXCP					
AXCTD					

Remarks:
 Dewpointers (both) dropped out 1948-1952
 Weather.Uwyo.edu/supp/air/sounding.txt



NOAA G-IV N49RF
Winter Storms 2006
RESEARCH FLIGHT 17 TRACK 26



Flight ID: N060301

<u>Sensor or system</u>	<u>Number or Name</u>
INE (for wind derivation)	VEW, VNS
Attack Angle	AKRD2
Slip Angle	SSRD2
Accelerometer	ACINS
Temperature Probe	AT4
Dew Point Probe	DPLC
Altitude (for vertical wind derivation)	RA
Static Pressure	PS2C
Dynamic Pressure	QC2C
True Air Speed	TAS2
Constants File	49cal051
Project Directory	601

Notes:

There were no time/data gaps during this flight.

From 245715Z to 245810Z sideslip pressures one and two (BP1 and BP2) had an erroneous spike.

Also, upon climb and descent, dynamic sideslip pressures (DBP1 and DBP2) separated by 10 to 15 mb. Due to the absence of a third sensor for comparison, no judgement can be made on which sensor is performing more accurately.

Temperature Sensor two was erroneous throughout the entire flight.

The right dewpoint sensor was ~10 degrees too warm throughout the flight.

Flight Director: Martin Mayeaux (813) 828-3310 ext. 3086

N49RF AVAPS DropSonde Log

Project: WINTER Storms Flight ID: 060301n Flt Dir: MARTY M.

Mission: _____ Flight #: RF17 Status: Sys 1 _____ Sys 2 _____ Launcher S/N: 02

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments /Status/ Failure Reason	\$	GOOD ☒
1	053716439	1	2022	+0.8	224	WR			✓
2	053716060	3	2042	+0.5	23				✓
3	053716224	4	2101	+0.3	28				✓
4	053716108	1	2120	0	15				✓
5	053716429	3	2139	+0.4	18				✓
6	053716198	4	2158	0	24				✓
7	053716434	1	2216	0	58				✓
8	053716543	3	2234	0	18				✓
9	053716202	4	2253	0	23				✓
10	053716087	1	2312	0	51				✓
11	053716058	3	2331	0	33				✓
12	053716061	4	2349	0	12				✓
13	053716122	1	0010	0	29				✓
14	053716393	5	0030	0	27				✓
15	053716200	3	0051	0	20				✓
16	053716440	4	0111	.5	22				✓
17	053716362	1	0131	.9	27				✓
18	053716199	3	0152	0	26				✓
19	053716208	4	0215	0	25				✓
20	033418004	1	0237	0	7	✓			✓
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									

\$ Codes A = AOC N = NHC/NWS H = HRD OW = NESDIS

g<SERIALNUM>.aup

7HOME/ads/rdata/060301n1

Winter Storm Reconnaissance Program (WSRP)

Track 26 20 Drops

Date: 01 March, 2006

Takeoff Time: 2000Z 7.5 Hours flight time

MISSION ID: **NOAA9 21WSC TRACK26**

Departure Point: Anchorage

Arrival Point: Anchorage

PANC		61 10N	150 00W	
HOM		59 42.6N	151 27.4W	(Homer VOR)
26T01	Turn - Drop 1	58 00N	148 00W	
26D02	Drop 2	55 30N	146 30W	
26D03	Drop 3	53 00N	145 15W	
26T04	Turn - Drop 4	50 30N	144 00W	
26D05	Drop 5	48 00N	143 00W	
26D06	Drop 6	45 30N	142 00W	
26T07	Turn - Drop 7	43 15N	140 30W	
26D08	Drop 8	41 30N	138 15W	
26T09	Turn - Drop 9	39 30N	136 00W	
26D10	Drop 10	39 30N	132 30W	
26T11	Turn - Drop 11 - CP	39 30N	129 00W	
26D12	Drop 12	42 00N	128 30W	
26T13	Turn - Drop 13	44 45N	128 15W	
26D14	Drop 14	47 00N	130 00W	
26D15	Drop 15	49 00N	132 30W	
26T16	Turn - Drop 16	51 00N	135 00W	
26D17	Drop 17	53 00N	137 30W	
26D18	Drop 18	55 00N	140 15W	
26D19	Drop 19	57 00N	143 15W	
26T20	Turn - Drop 20	59 00N	146 30W	
SOBGE		60 48.6N	148 17.2W	(SOBGE Intersection)
PANC		61 10N	150 00W	

Winter Storm Reconnaissance Program (WSRP)

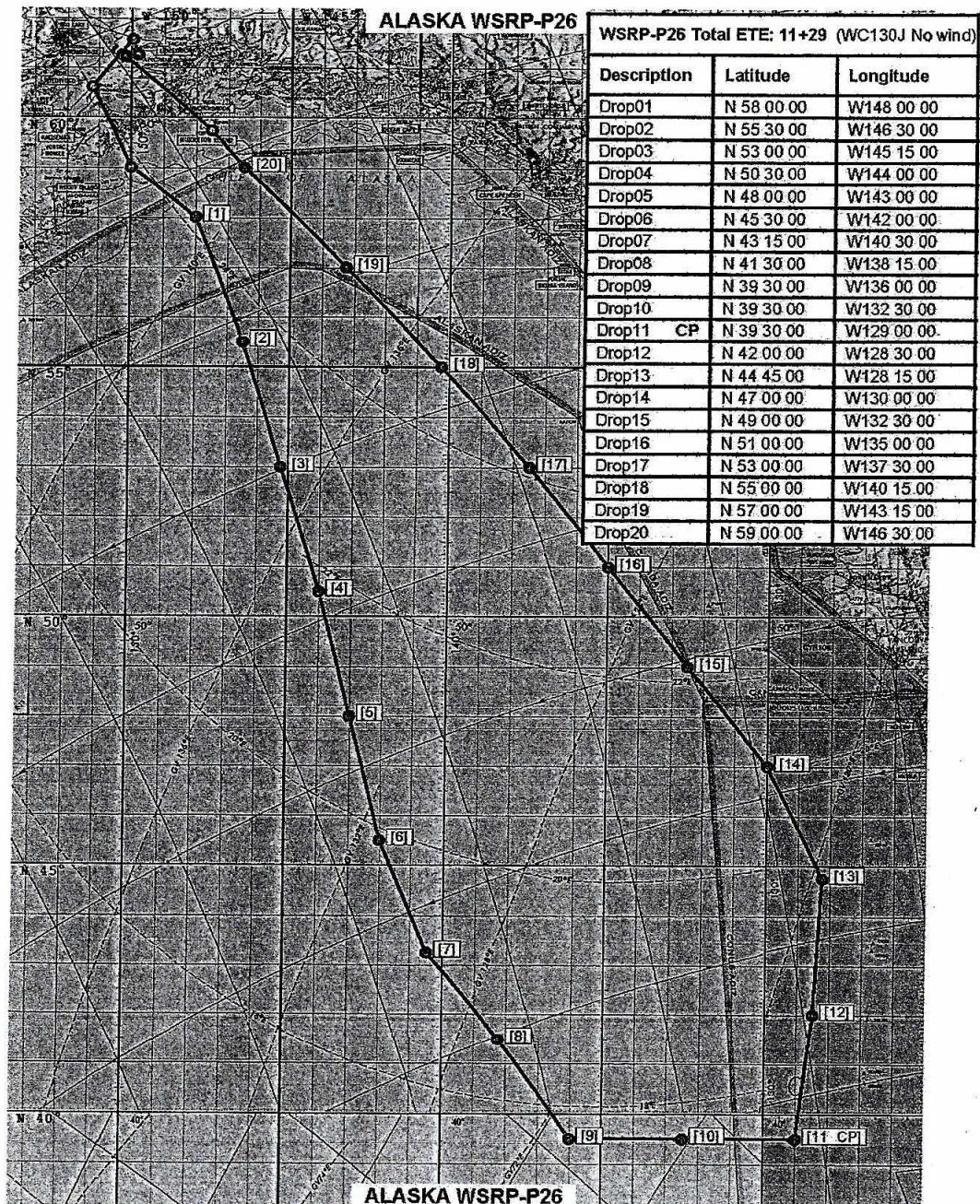


Figure G-26. Alaskan Flight Track WSRP-P26.

N49RF AOC GPS Dropwindsonde Log

Flight ID 060301N

Flight Director

Mayeaux

Page of

Mission ID N49RF 21 WSC Track 26 Storm Water

Drop#	Channel# Sonde ID	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Prs mb	WX Cond.	Comments	OB #	SatComm Failures	Sent Time
2	053716060	204713	45.27	14628	1015.5	Winds 23 ch3	154953	2	0	1600
4	053716108	212026	50.30	14400	1008.2	Winds 15 ch1	163737	4	0	1638
6	053716198	215814	45.30	14159	1010.2	Winds 24 ch4	171551	6	0	1716
8	053716543	223546	41.29	13815	1009.7	Winds 18 ch3	175129	8	0	1752
10	053716087	231222	39.30	13229	1007.6	Winds 51 ch1	183012	10	0	1831
12	053716061	234947	41.59	12830	998.0	Winds 12 ch4	190909	12	0	1910
14	053716393	003409	46.59	12959	1001.3	Winds 27 ch4	195001	14	0	1952
16	053716440	011120	50.59	13459	1005.3	Winds 22 ch4	202958	16	0	2047
18	053716109	015249	54.59	14015	1011.0	Winds 18 ch3	211124	18	0	2112
20	053716004	023712	58.59	14629	1017.9	Winds 37 ch1	215618	20	0	2158

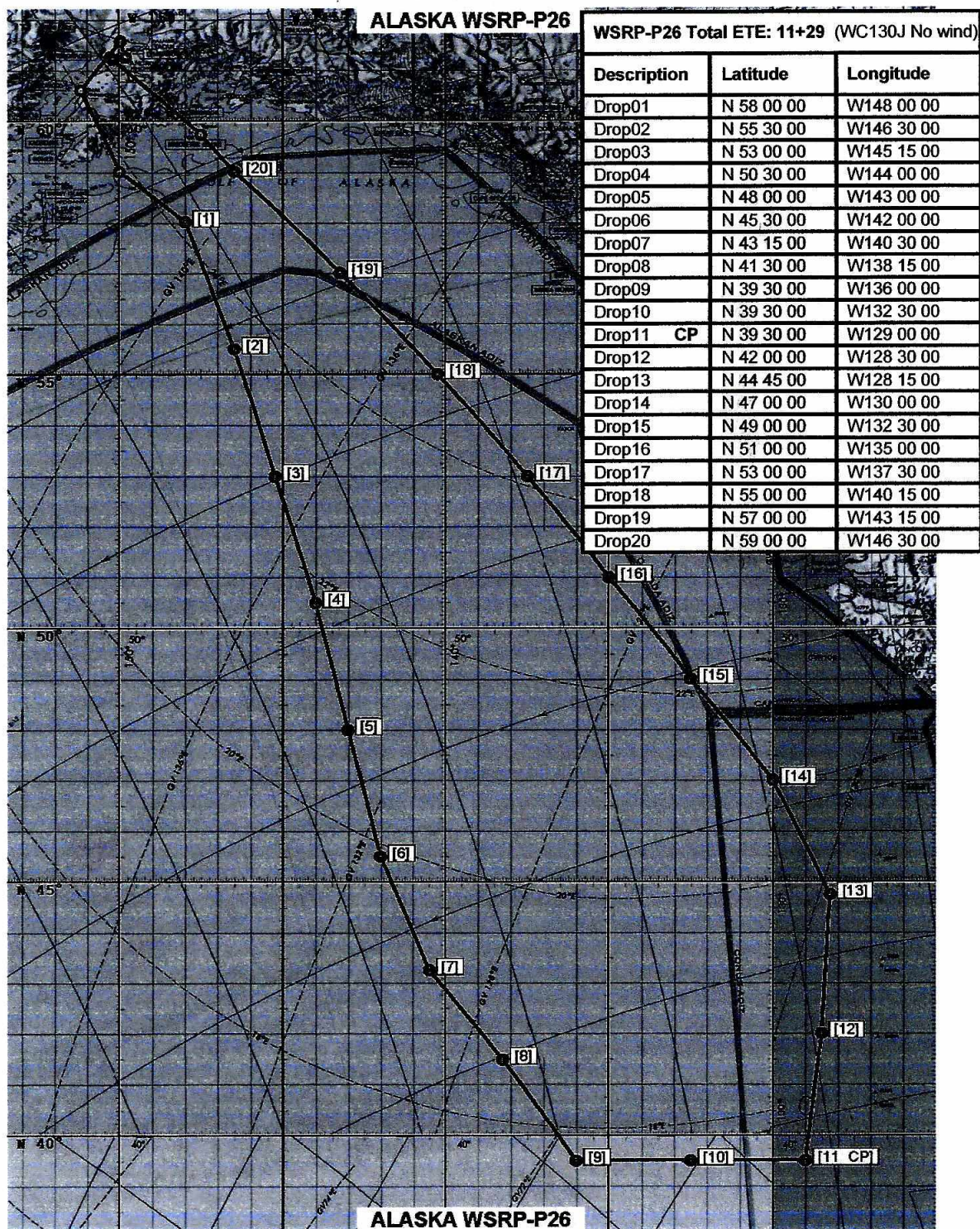


Figure G-26. Alaskan Flight Track WSRP-P26.