

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

Flt ID: 060306N	From: PANC	To: PANC
Flt. No: 06-049	Blk In: 0215 Z	Time On: 0212 Z
ETD: 2000 Z	Blk Out: 1923 Z	Time Off: 1932 Z
ETE: 6 + 45	Blk Time: 6 + 52 (6.9) Hrs	Flt Time: 6 + 40 (6.7) Hrs
Sponsoring Org: NCEP	Program: winter storms	Purpose: Flt 21

AOC Flight Crew

Aircraft Commander: Finn	Data System: Rogers
Co-Pilot: Odell, Longnecker	AVAPS:
Navigator: /	System Eng:
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 25 WSC Tracks

Penetration number and time

Passed volcano 1957Z

Lost GPS 2101Z Collins - switched to Loran C 112111Z -
Returned 2145Z. OS 4 & 5 were hard work

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Flight ID: 060306N		Time Off: 1932 Z		Time On: 0212 Z	
A/C: Takeoff		Wx Station: Takeoff		A/C: Land	
Wx Station: Land					
Pressure	996.6 mb	2953 mb	993.5 mb	2949 mb	
ATIS	Time	Observation			
Takeoff	1853 Z	18006kt 3/4sm - SnBR Sct090 Bk160 OVC250 -3-4 A2953			
Land	0053 Z	V1303kt 4sm - SnBR Sct035 Bk045 Blnd060 -1/-3 A2949			
	Number	Data Disposition / Date / Quality			
Flight Level Tapes	1				
Radar Tapes					
Cloud Physics Tapes / CDs					
Video Tapes					
Dropsondes	16	Good: 16 Bad: 0			
AXBT					
AXCP					
AXCTD					

Remarks:

1

N49RF AVAPS DropSonde Log

Project: W. S. 06 Flight ID: 060306N Flt Dir: MARTY
 Mission: TRK 8 Flight #: RF21 Status: Sys 1 OK Sys 2 OK Launcher S/N: 002

Drop #	Sonde Serial Number	Chn. #	Time (Zulu)	Press. offset	Winds time	Operator Initials	Comments /Status/ Failure Reason	\$	GOOD ☒
1	053416074	1	2013	0	05	WRB	REF		☒
2	053166184	3	2035	.4	05				☒
3	053116071	4	2057	.5	04				☒
4	053170044	1	2122	0	06		NO GEOPNL ALT COLLINS OUT		☒
5	053170042	3	2142	0	08		NO GEOPNL ALT COLLINS OUT		☒
6	053170.045	4	2205	0	06				☒
7	053166228	1	2227	.6	04				☒
8	053416089	3	2253	.6	03				☒
9	051926172	4	2319	.6	04				☒
10	053416152	1	2344	.4	05				☒
11	053416352	3	0001	0	06				☒
12	053416090	4	0019	.4	05				☒
13	053416224	1	0037	0	04				☒
14	053116177	3	0056	.5	05				☒
15	053416250	4	0115	0	04				☒
16	053416153	1	0133	0	04	↓	↓		☒
17									
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33									

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



NOAA G-IV N49RF
Winter Storms 2006
RESEARCH FLIGHT 21 TRACK 8



Flight ID: N060306

<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	TAS1
Constants File	49cal051
Project Directory	601

Notes:

There were no time/data gaps during this flight.

The Collins GPS was inoperative from ~210000Z-214600Z. Therefore, the Honeywell GPS was used for derived parameters.

From 215800Z-222400Z, 233500Z-233800Z, and 234800Z-235100Z, slip pressures BP1 and BP2 dropped 2 mb and SSRD1 and SSRD2 dropped .2 mb. This had minor affects on derived parameters.

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.

Otherwise, there were no problems with the flight.

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

Flight ID 060306N

Flight Director_

Page ___ of ___

Mission ID N0009 25WSC Track Storm

 Storm

Florida
Local
Time

[illegible]

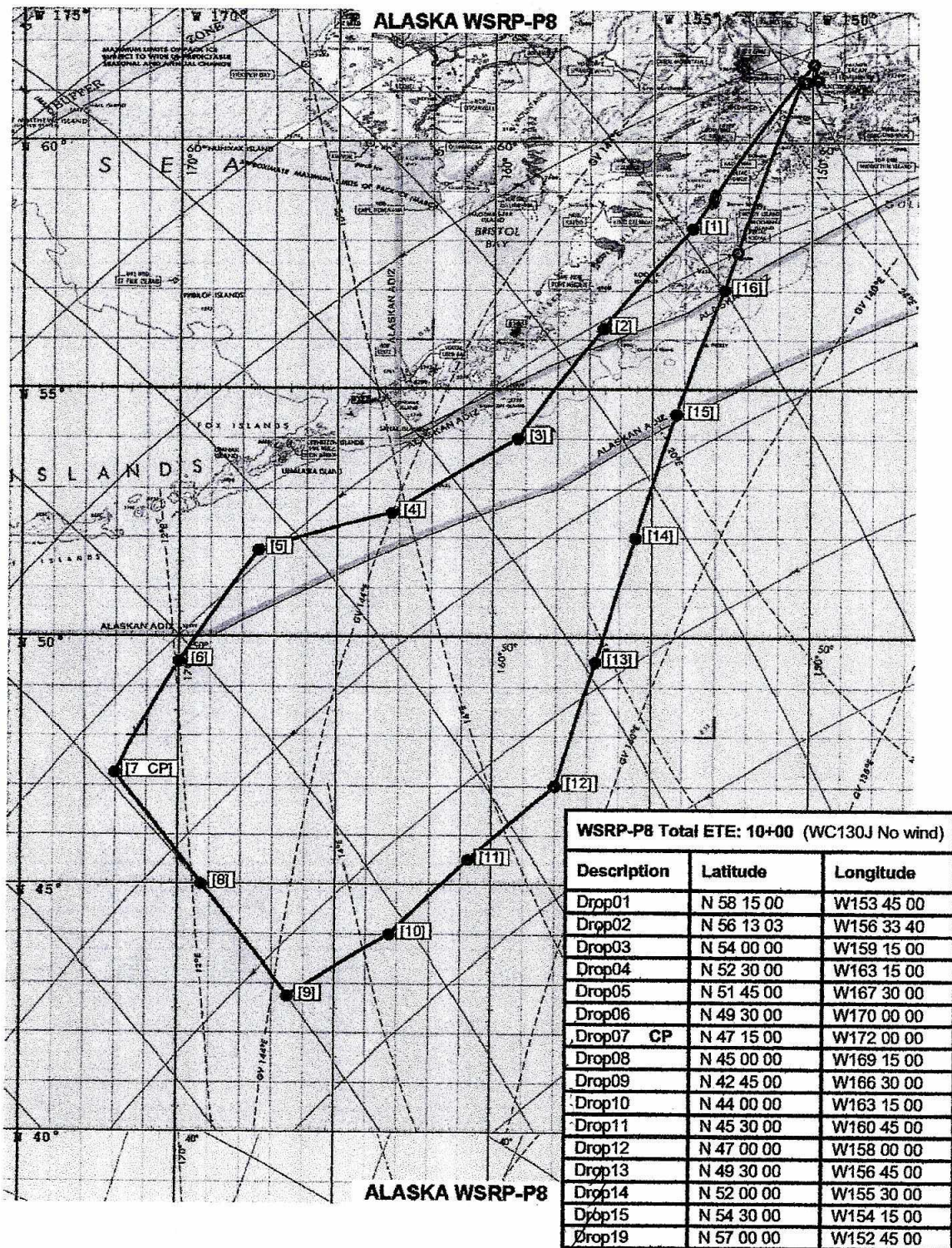


Figure G-8. Alaskan Flight Track WSRP-P8.

PGDE30 KPCI 060600
 WFOC WASHINGTON
 FIXED TIME FORECAST CHART
 ICHD AREA M SIG MX
 FL 250-630
 VALID 06 UTC 07 MAR 2006
 CB IMPLY MOD OR SEV TURB, ICE RND HAIL
 HGT IN FLIGHT LEVELS, SPEEDS IN KNOTS
 CHECK SIGNETS FOR VOLCANIC ASH

