

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

Fit ID: 060303n	From: PANC	To: PANC
Fit. No: 06-047	Blk In: 0247 Z	Time On: 0244 Z
ETD: 2000 Z	Blk Out: 1933 Z	Time Off: 1943 Z
ETE: 7+00	Blk Time: 7+04 (7.2) Hrs	Fit Time: 7+01 (7.0) Hrs
Sponsoring Org: NCCP	Program: Winter Storms	Purpose: Flight 19

AOC Flight Crew

Aircraft Commander: Finn	Data System: Rogers
Co-Pilot: Odell, Longenecker	AVAPS: Brogan
Navigator: /	System Eng: /
Flight Eng: /	A A: /
Flight Director: Playaux	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 23Wsc Track 29 Avaps Shut Down at landing

Penetration number and time

21 & Saturday NOAA 24Wsc Track 21

Possible

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Flight ID: 060303n		Time Off: 1943 Z		Time On: 0244 Z	
A/C: Takeoff:		Wx Station: Takeoff:		A/C: Land:	
Wx Station: Land:					
Pressure	107.8 mb	2991 mb		mb	2990 mb
ATIS	Time	Observation			
Takeoff	1853 Z	01007KT 6sm -5m BKN 025 overcast A107/M12 A2990			
Land	0153 Z	0300 6KT 165m few 40 SCT 675 BKN 140 over 200 mos/mos 2990			
	Number	Data Disposition / Date / Quality			
Flight Level Tapes	1				
Radar Tapes					
Cloud Physics Tapes / CDs					
Video Tapes					
Dropsondes	18	Good: 18 Bad: 0			
AXBT					
AXCP					
AXCTD					

Remarks:

N49RF AVAPS DropSonde Log

Project: WINTER STORM Flight ID: 060303N Flt Dir: MART

Mission: TRK29 Flight #: RH9 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	053416322	1	2019	0.5	30	✓			✓
2	053416326	1	2039	0.5	18	✓			✓
3	053716385	1	2058	0.7	29	✓			✓
4	053716435	1	2116	0	18	✓			✓
5	053416324	1	2136	0.4	28	✓			✓
6	053116168	1	2156	0	1	✓	REVF		✓
7	053116173	1	2214	0	1	✓	REVF		✓
8	053116212	5	2232	0	1	✓	REVF L5		✓
9	053416325	1	2250	0.5	35	✓			✓
10	053716123	1	2311	0.4	13	✓			✓
11	053416292	1	2335	0	14	✓			✓
12	053416330	1	2358	0.8	11	✓			✓
13	053416120	1	0020	0	63	✓			✓
14	053716126	1	0043	0	29	✓			✓
15	053416323	1	0105	0.7	24	✓			✓
16	053716377	1	0128	0.7	30	✓			✓
17	053416331	1	0149	0.5	22	✓	CHAN 5 L5		✓
18	053716209	3	0207	0	23	✓			✓
19									
20									
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33									

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



NOAA G-IV N49RF
Winter Storms 2006
RESEARCH FLIGHT 19 TRACK 29



Flight ID: N060303

<u>Sensor or system</u>	<u>Number or Name</u>
INE (for wind derivation)	VEW, VNS
Attack Angle	AKRD1
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.

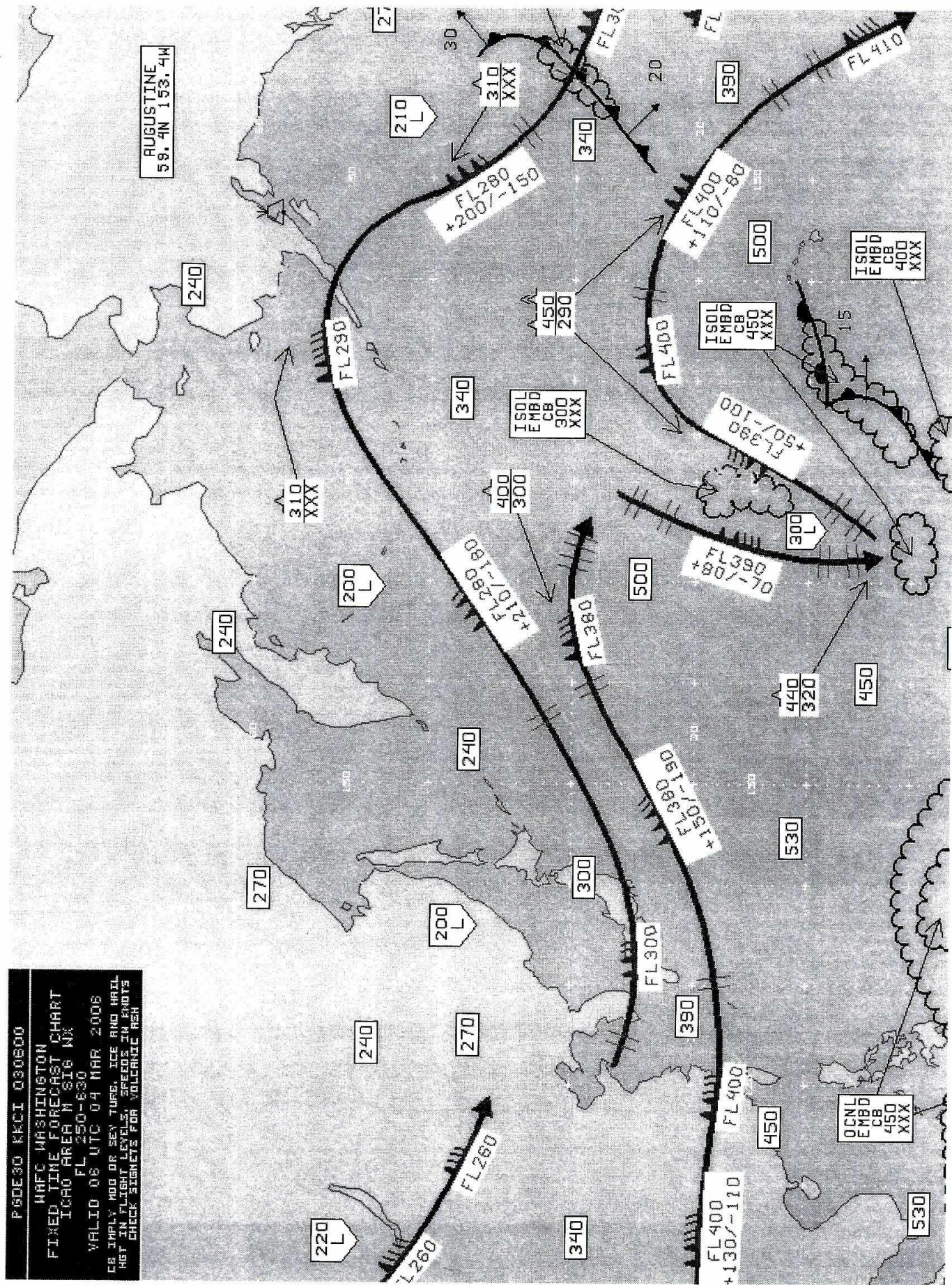
Upon climb and descent, dynamic sideslip pressures (DBP1 and DBP2) separated by 10 to 15 mb. Due to the absence of a third sensor for comparison, no judgement can be made on which sensor is performing more accurately.

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



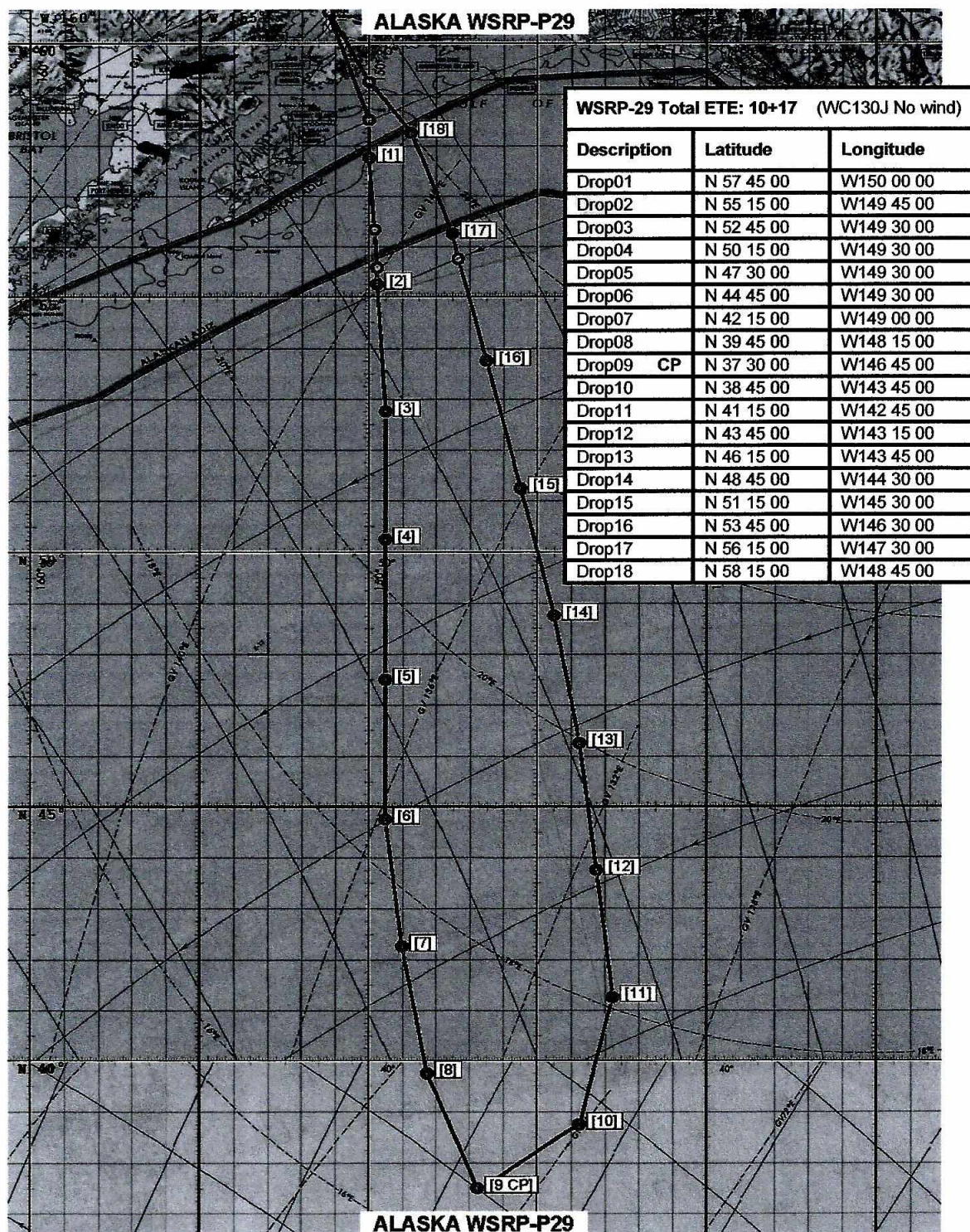


Figure G-29. Alaskan Flight Track WSRP-P29.

N49RF AOC GPS Dropwindsonde Log

Flight ID 060303n Flight Director Mayerau Page of
 Mission ID 110009 23wsc track 29 Storm

Drop #	Channel # Sonde ID	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Prs mb	WX Cond.	Comments	OB #	SatComm Failures	Sent Time
2	053416326	203901	5515	14945	1004.3	Wind 18 cl 1	155639	2	0	1557
4	053716434	211635	5015	14930	1002.8	Wind 18 cl 1	163403	4	0	1635
6	053116164	215612	4445	14930	1014.5	Wind 1 cl 1	171317	6	0	1714
8	053116212	223228	3942	14813	1012.8	Wind 1 cl 5	175231	8	0	1753
10	053716123	231156	3847	14344	1011.2	Wind 13 cl 1	182955	10	0	1831
12	053416330	235818	4345	14315	1006.1	Wind 11 cl 1	191627	12	0	1918
14	053716426	004315	4445	14430	1000.7	Wind 29 cl 7	200531	14	2	2007
16	053716377	012800	5345	14630	1003.3	Wind 30 cl 1	204546	16	0	2046
18	053716269	020757	5815	14844	1010.7	Wind 23 cl 3	212828	18	0	2129