



NOAA G-IV
WINTER STORMS 2006
Flight 11 – Track 28
PANC – PANC

Flight ID: 060213N

Sensor or system

Inertial (for wind derivation)

Temperature Probe

Dew Point Probe

Static and Dynamic Pressure

Project Directory / Constants File

Number or Name

VEW/VNS

AT3

DPLC

PS2C/QC2C

601 / 49cal051

Notes:

There were no time/data glitches during this flight. Large spikes were seen in the aircraft attitude data at take-off and landing.

AT2 was not installed for these missions. DPLC was chosen as the primary dewpoint sensor because DPRC was greater than the ambient temperature during ascent and descent. It also read 5-10 degrees warmer than DPLC through most of the flight. Because of the ascent data, the data from DPLC appears to be the more accurate of the 2 sensors.

During ascent and descent, dynamic and differential pressures diverged due to location and air flow around the aircraft. All data, specifically pressure and wind data should be used carefully during these times.

DAP1 was operational for this flight; however, since DAP1 has not been working well recently, raw dynamic attack pressure right (DAP2) was still used for derivations.

Turbulence was felt from 2135-2150Z. This was reflected in the aircraft data.

The _PITR inertial dropped out from 0052Z – 0056Z. This was reflected in all of the _PITR data. Wind data should also be ignored during this time period.

All other instruments worked properly.

	Takeoff	Landing
Aircraft Static Pressure (mb)	1025.6 mb	1031.5 mb
Station Altimeter	1027.0 mb	30.57"

Flight Director: Contact Paul Flaherty
Phone #: (813) 828-3310 ext. 3094

U.S. Dep't. of Commerce / NMAO / NOAA / Aircraft Operations Center

FLT ID: 060213W	From: PANC	To: PANC
Flt No: 06-039	In: 0332Z	On: 0328Z 28
ETD: 20 Z	Out: 1940Z	Off: 1953Z 2
ETE: 7+30	Blk Time: 7+52 (7.9 Hrs)	Flt Time: 7+35 (7.6 Hrs)
Sponsoring Org: NCEP	Program: WSRP	Purpose: TRK 28

AOC Flight Crew

Aircraft Commander: HAGAN	Data System: ROGERS
Co-Pilot: ODELL / LONGSPECKER	AVAPS: BROGAN
Navigator: /	System Engineer:
Flight Eng: /	AA:
Flight Director: FLAHERTY / PARRISH	AA:
Avionics: CARPENTER	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: 13W^{SC} TRK 28

2135 TRB

U.S. DEPT OF COMMERCE / NMAO / NOAA / AIRCRAFT OPERATIONS CENTER

FLT ID: 060213N TIME OFF: 1953 Z TIME ON: 0328 Z

A/C - Takeoff

WX Station - Takeoff

A/C - Land

WX Station - Land

Pressure

1025.6

1027.0

1031.5

30.57

ATIS - Takeoff

1853z 09003KT 10SM -1/-3 A3032

ATIS - Land

0253z 00000KT 10SM 01-5 A3057

Data Source

Number

Data Disposition / Date / Quality

Flight Level Tapes

Radar Tapes

Cloud Physics Tapes /
Cds

Video Tapes

Dropsondes

20

Good:

19

Bad:

1

Total:

AXB T

AXCP

AXCTD

SONOBUOY

REMARKS:

19/20 SONDES (1 FAILED)

N49RF AVAPS DropSonde Log

Project: WS '06 Flight ID: 060213N Flt Dir: FLAHERTY

Mission: TK 28 Flight #: RF11 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	033418036	1	2035	0	21	HJD			
2	053716422	1	2055	0	19				
3	053716394	1	2115	0	25				
4	053716603	1	2134	0	15				
5	053716539	2	2154	0	56				
6	053716602	1	2214	0.6	21				
7	053716601	2	2232	0.5	59				
8	053716606	1	2251	0	37				
9	053716604	2	2311	0	45		FROZE DATA on L5		
10	053716609	1	2333	0	19				
11	053716531	3	2349	0	1:18				
12	053716532	1	0009	0	17				
13	053716420	3	0029	0	18				
14	053716062	1	0050	0	—		FAST FALL		
15	053716540	3	0052	0	26		BLU TO 14		
16	053716605	1	0113	0.5	16				
17	053716607	1	0136	0.5	19				
18	053716396	1	0157	0.5	30				
19	053716541	1	0218	0	19				
20	053716334	3	0235	0	10				
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									

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

Winter Storm Reconnaissance Program (WSRP)

Track 28

20 Drops

06-039

Date:

Takeoff Time:

2000Z

MISSION ID:

NOAA9 __WSC TRACK28

Departure Point:

Anchorage

Arrival Point:

Anchorage

PANC	61 10N	150 00W	
HOM	59 42.6N	151 27.4W	(Homer VOR)
× Turn - Drop 1	56 30N	151 00W	
Drop 2	54 00N	151 30W	
× Drop 3	51 30N	152 00W	
Drop 4	49 00N	152 15W	
× Turn - Drop 5	46 30N	152 45W	
Drop 6	44 00N	153 15W	
Drop 7	41 45N	153 45W	
× Turn - Drop 8	39 15N	154 00W	
Drop 9	37 00N	152 15W	
× Turn - Drop 10 - CP	35 00N	150 00W	
Drop 11	36 30N	148 00W	
× Turn - Drop 12	38 30N	146 00W	
Drop 13	41 00N	146 30W	
× Drop 14	43 45N	146 45W	
Drop 15	46 30N	147 15W	
× Turn - Drop 16	49 15N	147 45W	
Drop 17	51 45N	148 00W	
× Drop 18	54 15N	148 30W	
Drop 19	56 10N	149 00W	
× Turn - Drop 20	57 00N	149 15W	
YESKA	61 00N	149 20W	(YESKA Intersection)
PANC	61 10N	150 00W	

* Flight Plan Points.

N49RF AOC Flight Director's GPS Dropwindsonde Log

FLIGHT ID 060213N FLIGHT DIRECTOR FLAHERTY/PARRIS Page 1 of 1

MISSION ID _____ STORM/Track ID _____ Total # of dropsondes _____

#	Sonde ID	Time (Z)	Lat N / S	Lon W / E	Weather Conditions	Winds	Surface Press.	Ob #	WMO KWBC #	Send Time	Sat Com Fails
1	053718036	203535	/	/	OVC CI	21	1037.9	1	160833	2109	φ
2	053718122	205550	/	/	SCT AS	19	1037.4	2	161839	2119	φ
3	053718991	211540	/	/	FEW CU	25	1040.3	3	163604	2137	φ
4	053716603	213449	/	/	FEW SC	15	1043.0	4	165737	2159	φ
5	053716589	215410	/	/	CLR ^{SFC} 170118	50	1040.4	5	171248	2214	φ
6	053716602	221416	/	/	SCT SC, AC	21	1037.2	6	173558	223625	φ
7	053716601	223205	/	/	SCT SC	59	1033	7	175118	2252	φ
8	053716606	225142	/	/	BKN AS	37	1026.8	8	181127	2313	1
9	053716604	231136	/	/	OVC AS	20	1020.7	9	184020	2343	1
10	053716609	233314	/	/	OVC CS	19	1020.4	10	185726	235730	φ
11	034555030	234937	/	/	OVC CS	78	1021.0	11	190913	001030	1
12	053716532	000910	/	/	OVC CS	17	1028.7	12	193401	003430	φ
13	053716420	002907	/	/	OVC CS, AS	18	1032.9	13	194844	004930	φ
14	053716062	005055	/	/	OVC CS	00	wind	Fast Fall			φ
15	053716540	005244	/	/	OVC CS	20	1040.1	14	201313	0114	φ
	053716605	011309	/	/	CLR	16	1044.5	15	204339	0145	φ
	053716607	013611	/	/	CLR	17	1044.9	16	205732	0158	φ
	053716396	015711	/	/	FEW SC	30	1043.6	17	211425	0215	φ
	053716541	021847	/	/	OVC AS	19	1041.2	18	214003	0241	φ
	053716331	023531	/	/	OVC CI	10	1039.1	19	220035	0300	φ
21											
22											
23											
24											
25											

PACU PANU