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

Flt ID: 06036N	From: PHNL	To: KERP - Kmet
Flt No: 06-054 06055	Blk In: 0040 z 0414	Time On: 0034 z 0406
ETD: 1900 z	Blk Out: 1837 z 0122	Time Off: 1849 z 0131
ETE: 7+00	Blk Time: 5:57 + (6.0) z:52 (2.9) hrs	Flt Time: 5:45 (5.8) z:35 (2.6) hrs
Sponsoring Org: NCEP	Program: Winter Storm	Purpose: Final ferry flight

AOC Flight Crew

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

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
Finke, m	Project manager	AOC

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

Storm Name: _____

Mission ID: N0999 WXXWC Train

Penetration number and time

26K-35K Bumpy 150W Bumpy

HD

DAPI has Problems - Poor responsiveness at 1921Z

Recco Times

Fix # Fix Time

We quit recording data in el Paso

2057Z - light to mod turbulence affected DAPI + DBP sensors
A1 + A23 oscillation 2100Z

Winds lockup 232556-233117 - Data gap

Shut Down Data System 8400 (0140Z).

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Flight ID: 060316 N		Time Off: 1849 Z 0131		Time On: 0034 Z 0406	
A/C: Takeoff		Wx Station: Takeoff		A/C: Land	
Wx Station: Land					
Pressure	1011.8 → 1012.1 mb	2988 ^{PAWL} mb	880.6 ^{KEP} mb	3004 ^{KEP} mb	
ATIS	Time	Observation			
Takeoff	1753 Z	00000KT 105m fnd 017 S4 026 Bkn 090 23/21 A2988 ^{PAWL}			
Land	2351 Z	23007KT 105m Bkn 150 Bkn 250 24/mi A3004 ^{KEP}			
	Number	Data Disposition / Date / Quality			
Flight Level Tapes					
Radar Tapes	1				
Cloud Physics Tapes / CDs					
Video Tapes					
Dropsondes	6	Good: 6 Bad: 0			
AXBT					
AXCP					
AXCTD					

Remarks:

Ac ^{KEP}	Wx ^{KEP}	Ac ^{KMCF}	Wx ^{KMCF}
879.6	3005	N/A	3015

El Paso is 3940 ft Above MSL

0051Z 26006KT 105m Bkn 150 Bkn 250 23/mi A3005 ^{KEP}

0255Z 30003KT 065m A17 A3015

N49RF AVAPS DropSonde Log

Project: W/S 06 Flight ID: 0603116 Flt Dir: MARTY
 Mission: NCEP Flight #: RF26 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	053116229	1	2001	0	3	002	DATA ON LG		✓
2	053626310	1	2019	0.5	3				✓
3	053636123	3	2036	0.6	4				✓
4	053416156	1	2052	0.5	3				✓
5	053416097	3	2109	0	2				✓
6	053636118	1	2126	0.5	4				
7									
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\$ Codes A = AOC N = NHC/NWS H = HRD OW = NESDIS

Flight ID 060318N Flight Director Moyeux Page of

Mission ID 140A9 xxxx ^{Train} Storm

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iv Storm

Drop#	Channel# SAND/E ID	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Prs mb	WX Cond.	Comments	OB #	SatComm Failures	Sent Time
2	05306310	201909	2859	14859	1023.3	WS 1 CL 1	153844	2	0	1538
4	053416156	205247	2859	14300	1024.9	WS 3 CL 1	161135	4	0	1612
6	053636118	212638	2900	13659	1024.3	WS 4 CL 1	164628	6	0	1648



NOAA G-IV N49RF
Ozone Air Chemistry 2006
Winter Storms Final Mission PHNL-KELP



Flight ID: N060316

Sensor or system

INE (for wind derivation)
Attack Angle
Slip Angle
Accelerometer
Temperature Probe
Dew Point Probe
Altitude (for vertical wind derivation)
Static Pressure
Dynamic Pressure
True Air Speed
Constants File
Project Directory

Number or Name

VEW_PITR,VNS_PITR
AKRD2
SSRD1
ACINS_PITR
AT3
DPLC
RA
PS2C
QC2C
TAS2
49cal051
601

Notes:

There were no time/data gaps during this flight.

There were several erratic data spikes in the static pressure measurements from sensor number one (PS1M) from takeoff to 205200Z. Some of these spikes were also reflected in TAS1.

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