

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

FLT ID: 20131102H1	From: PAEI	To: PAEI
FLT #:	Blk In: 0117 Z	Lnd Time: 0102 Z
ETD: 1730 Z	Blk Out: 1634 Z	T/O Time: 1643 Z
ETE: 8+00	Total Blk: 8.7	Total Flt: 8.3
Sponsoring Org: PMEL	Program: PAX (Arctic Flux)	Purpose:

AOC Flight Crew

Aircraft Commander: NELSON	SSA: HILL
Co-Pilot: DIDIER, Jeff MILLER (USN)	AVAPS: RICHARDS
Navigator: GALLAGHER	Scientists: James OVERLAND (PMEL)
Flight Eng: DARBY, Chris RYCZEK (USN)	Scientists: Nick BOND (Univ Wash)
Flt Director: HENNING	Scientists: Kevin WOOD (Univ Wash)
SEB: OLNEY	Scientists: Katherine HEDSTROM (Univ Alaska)
Crew Chief:	Visitors: Lt Col SSGT Samuel Andrew LIPINA Dennis Olivia Lee (Univ Alaska)

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	#2 994.5	STA (994.2)	#2 989.3	STA (989.7)

AS REQUIRED BY ORM	YES	NO	REMARKS
VOLCANIC ASH		X	
SCIENCE MISSION WITHIN BOUNDARY LAYER	X		
LACK OF PRECIPITATION	X		
RELATIVE HUMIDITY AT OR ABOVE 80%	X		
LARGE AIR-SEA TEMPERATURE GRADIENT		X	
HIGH SURFACE WINDS	X		35-45 kts BL
LONG FETCH AND/OR DURATION OF SFC WIND		X	
SEA SALT ACCRETION FORECAST		X	
SEA SALT ACCRETION OBSERVED			

Dropsondes	8	Good: 7	Bad: 1	Sent: 7
AXBT	3	Good: 3	Bad: 0	Sent: 3

List other data sources in Remarks section

Remarks (Storm VDM Identifier, Mission ID, Fix Times)	Fix #	VDM Ob Num	Fix Time / SLP
Storm Number Identifier (VDM): (ie: AL072012)			
TCPOD/WSPOD Mission ID: WXWXC ARCTICFLX13F (ie: NOAA2 2418A SANDY)			

Remarks:

73 30
1623671 20 -
71 25
ice edge1558z 29.95
1658z 29.93
2358z 29.81
0058z 29.80NO
GAPS

8

PLAN
TAF
SIGWX
GOES
ShewT
Sounding
Ready
SALT
ASH



N43RF ERROR SUMMARY ARCTIC FLUX #6 PAEI - PAEI



Flight ID: 20131102H1

Sensor or system	Number or Name
INE (for wind derivation)	INE1
Accelerometer	AccZfilterI-GPS.1
Temperature Probe	TTM.1
Dew Point Probe	TDM.2X (Edgetech)
Altitude (for vertical wind)	AltGPS.3 (NOVATEL)
Static Pressure	PSM.2
Dynamic Pressure	PQM.2
Project Directory	/acdata/2013/MET/20131102H1

Notes:

After takeoff, during initial climb out from Eielson AFB, there were gaps in the NOVATEL (AltGPS.3) altitude data but none occurred once the aircraft had leveled off enroute to the overwater portion of the mission.

Dewpoint sensor #2 (TDM.2 Edgetech) performed very well during nearly all the low altitude portion of the mission. During the high altitude transit portions to and from Eielson AFB, along with the science mission at 22K dropping sondes over the Chukchi Sea and then also during the spiral descent down to 200 feet and a portion of the first leg at 200 feet, TDM.2 was too warm so values for TDM.1 (the Buck) were substituted from 16:43z to 20:10z and then from 23:26z to 00:58z in post processing. The TDL (TDM.3) dewpoint sensor trended with the others but was too cold for the science portion of the mission.

All other instruments worked optimally during the flight.

Novatel (AltGPS.3) altimeter output was selected for post-flight processing.

Takeoff (1643Z) Landing (0102Z)

Aircraft Static Pressure	994.5 mb	989.3 mb
Corrected Tower Pressure	994.2 mb	989.7 mb

8 dropsondes and 3AXBT were deployed. All but one sonde (1840z) were good and transmitted.

Flight Director: Richard Henning (813) 828-3310 ext. 3086

John Hill

Flight ID: 2013102H7

Landing:

Flt Dir: Herning

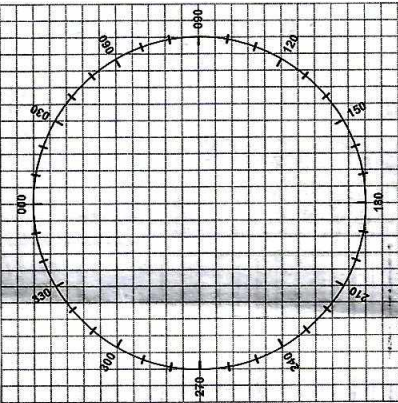
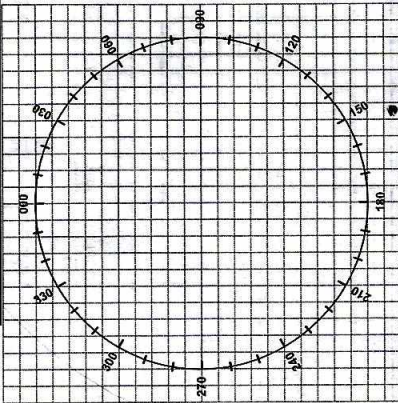
✱
✱
✱
✱
✱
✱

CLEARANCES

[illegible]

MISSION LOG

PAGE **OF**



POSITION REPORT

1. POSITION
2. TIME
3. ALTITUDE
4. NEXT POSITION
5. ETA
6. NEXT POSITION

EMERGENCY MESSAGE

TRANSMIT THE FOLLOWING MESSAGE TO ANY AGENCY ON THE AIR-GROUND FREQUENCY IN USE. IF UNABLE TO ESTABLISH COMMS, ATTEMPT CONTACT ON ANY OF THE FOLLOWING EMERGENCY FREQUENCIES:

UHF/VOICE	VHF/VOICE	MF/VOICE	HF/CW	MF/CW
243.0	121.5	2182 KHZ	8364 KHZ	500 KHZ

MAYDAY, MAYDAY, MAYDAY

THIS IS NOAA _____, NOAA _____, NOAA _____

- POSITION _____ N / S _____

- HEADING _____ TRUE/MAG _____

-AT _____ KTS TRUE/INDICATED
FLIGHT LEVEL OR ALTITUDE

- FLIGHT LEVEL OR ALTITUDE _____
- WE ARE A P-3 AIRCRAFT WITH _____

- NATURE OF EMERGENCY

- ASSISTANCE DESIR

- WE HAVE _____ ENDURANCE REMAINING _____

[illegible]