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

FLT ID: 20101251	From: CYHZ	To: CYHZ
FLT #: H-01	Blk In: ~~0150~~ 0121 Z	Lnd Time: 0113 Z
ETD: Z	Blk Out: 1729 Z	T/O Time: 1739 Z
ETE:	Total Blk: 7.9	Total Flt: 7.6 hr
Sponsoring Org: ~~OCEANROS~~	Program: OW	Purpose: GREEN/LAND

AOC Flight Crew

Aircraft Commander: NELSON	Data System: N AE1HBR
Co-Pilot: MARTIN / KERNS	Avaps: MASCRO
Navigator: BRAKOS /	System Engineer: CARPENTER
Flight Eng: FLOYD / DARBY	AA:
Flt Director: SEARS / DAMIANO	AA:
Avionics: OLNEY	Crew Chief:

Participating Scientists, Visitors, & Add'l Aircrew on back. # of people listed on back:

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	1003.8	1004.9	1002.3	1004.6

ATIS - Takeoff	
ATIS - Land	

Data Source	Number	Data Disposition / Date / Quality
Flight Level Tapes	2	
Radar Tapes	1	
Dropsondes	8	Good: 8 Bad: 0 Sent: (1 TO AOC)
AXBT	1	1 0

List other data sources on back in Remarks section.

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

Recco Times: Fix # Fix Time

Storm Name:

Mission ID:

53
39
34

8
29
51

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FLT ID:	T/O Time: Z	Lnd Time: Z
Name (Last, First)	Activity on Aircraft	Affiliation
CHANG		
~~JELENAK~~		
~~DVORSKY~~		
~~BAKER~~		

Remarks:

4 hr delay due to ~~ms~~

— SALT ON WINDSCREEN
21 15 / 33

—

N43RF ERROR SUMMARY

Ocean Winds 2011
Mission #6

Flight ID: 20110125I1

Sensor or system	Number or Name
INE (for wind derivation)	INE1
Accelerometer	ACC1
Temperature Probe	TT1
Dew Point Probe	TDM3X (MAYCOMM TDL)
Static Pressure	PSF
Dynamic Pressure	PQF1
Vert. Wind	ALTI1
Constants File	n43_11owv1.adc
Project Directory	/acdata/2011/MET/20110125I1

Notes:
There was a data gap from 195641Z – 195651Z during this flight.

There were instances where TDM3 collected erroneous data. During such instances, values for TMD3 were modified using direct substitution of another dewpoint source. The equation used in the substitutions for the time periods 172811Z – 1201558Z, and 230047Z – 252100Z follows :

TDM3X = TDM2

The equation used in the substitution for the time period 210236Z – 210251Z follows:

TDM3X=TDM1

There was 1 total AXBT deployed, 1 was good, 0 failed, and 0 were questionable.

There were 7 total dropsondes deployed, 7 were good, 0 failed, and 0 were questionable. 6 Sondes were intended for the mission. The final sonde was used for AOC analysis.

Flight notes: The crew noticed a light dusting of salt aerosol on the windscreen, thus the mission was aborted.

Takeoff/Landing data: Data during landing and takeoff are potentially suspect. It

is recommended that ground data not be used for scientific analysis. SPECIAL NOTE!!! The variable names dpj_wgs, dpj_was, and dpj_wz in the netCDF file represent vertical ground, vertical air, and vertical wind speeds respectively, computed using Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

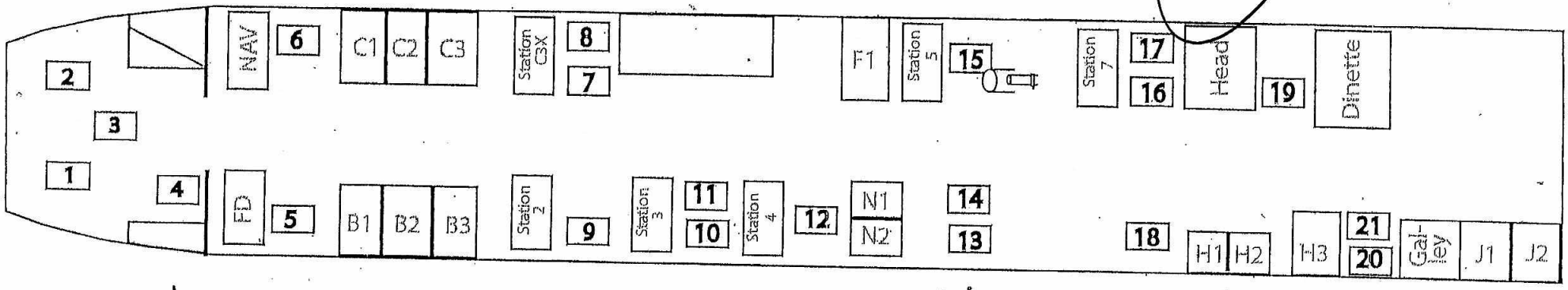
	Takeoff 1739Z	**Landing** 0113Z
Aircraft Static Pressure	1003.8 mb	1002.3mb
Corrected Tower Pressure	1004.9 mb	1004.6 mb

Flight Director: A. Barry Damiano/ Ian Sears (813) 828-3310 ext. 3073/3039

NOAA AIRCRAFT OPERATIONS CENTER

Flight ID 20110125F1

15



1. NELSON — PILOT
2. MARTIN — COPILOT
3. FLOYD — FLIGHT ENGINEER
4. CHANG — STATION 1
5. SEARS — FLIGHT DIRECTOR
6. BRAKOB — NAVIGATOR
7. DAMIANO — STATION C3X
8. KERNS — STATION C3X
9. — STATION 2
10. JELENAK — STATION 3
11. DARBY — STATION 3
12. NAETHER — STATION 4
13. MASCARO — PROJECT SEAT
14. — PROJECT SEAT
15. OLNEY — STATION 5
16. ~~BAKER~~ — STATION 7
17. DVORSKY — STATION 7
18. CARPENTER — STATION 8
19. — DINETTE
20. — GALLEY
21. — GALLEY

20110125I1

TAKE OFF 15Z
ENROUTE - HIGH WEST
W TO SW 40+ KT

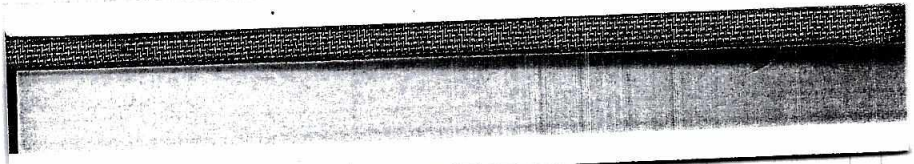
ON STATION - EAST ABOVE MOST OF WX
WEST MORE TCU / TURB

VA - NO
SEA SALT 7000 FT
LOW PROB
DEVELOPING 70 KT WINDS
LOW FETCH / DURATION
COLD AIR / COLD WATER
MOSTLY ABOVE BOUNDARY LAYER
HIGH RH IN OP AREA

RETURN - ~~W SW~~ S. BMCN W 40 60

LAND - YHZ 2 MI VIS OVC 2
- ALT YQM SIMILAR

ALT N - GANDER SCT 40
BLOCK OUT 1729
1004.8 PS Takeoff
TAKEOFF 1739
land - 2113



2300Z Exit "N": 1700Z 280/8 V15 F5.5K BLO25K -9-22 3018 RWY32

MISSION LOG

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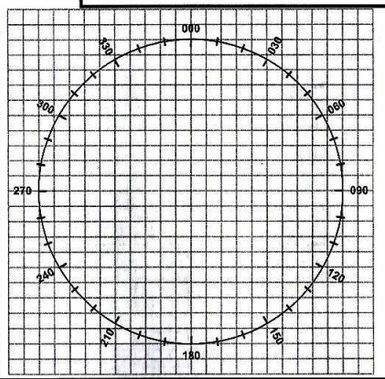
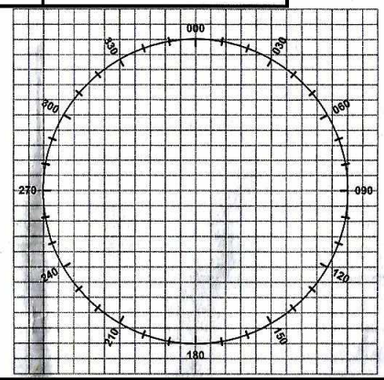
CLEARANCES

FREQ	ALT	HDG	OTHER
118.4			RWY32 CLEARED T/O
119.2			
			Ready by by 2025
GR 122.37			Gander Radio
120.55		PP	D→YHZ FL220 REQUEST
			CLIMBING OUT PH1
133.0			
	↘10K		SQ 6307 30.12





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 43
THIS IS NOAA _____, NOAA _____, NOAA _____

- POSITION _____ N / S _____ E / W AT _____ Z
- HEADING _____ TRUE/MAG
- AT _____ KTS TRUE/INDICATED
- FLIGHT LEVEL OR ALTITUDE _____
- WE ARE A P-3 AIRCRAFT WITH 15 SOULS ON BOARD
- NATURE OF EMERGENCY
- ASSISTANCE DESIRED
- PILOT INTENTIONS
- WE HAVE _____ ENDURANCE REMAINING

TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
1722 1729	ENG TAXI	N W	N W		N W																GANDER RADIO ① S/S SEL ✓ 8864 ② S/S SEL ✓
1729 1739	BLK T/O																				
1744	X ✓	45-09.3 63-26.4	45-09.4 63-26.5	-.1 -.1	45-09.4 63-26.5	-.1 -.1					027	252	269	44	10K	237					YHZ 015/14 ✓
1845	Δ	50-18.0 59-46.4	50-17.3 59-46.7	+.7 -.3	50-17.8 59-47.0	+.2 -.6					026	349	257	52	210	318					
1924	C	V/W	GANDER	RADIO	PR	S616	SEL 8891		TEST		2899		ETA		ENTER		2005				
1942	Δ	55-04.6 56-05.6	55-06.5 56-04.6	-1.9 +1.0	55-05.2 56-05.5	-1.6 +.1					023	357	193	36	210	324					
2002	C	GANDER	RADIO	S616		57-00W	054-40W		FL210			BLO	at	2078Z							
2020	ON STA	TK	RADAR	58-38N	53-21W																
2046	Δ	60-23.2 51-32.9	60-22.6 51-34.0	+.6 -1.1	60-23.0 51-33.5	+.2 -.6					029	282	175	61	7K	236					
2100	C	GANDER	RADIO	61-13N	050-57W				FL210				VIN SUNDERSTROM				Z/07 121.3				
2115	SAT	ON	WINDSHIELD	→ ABORT	→ 10K																
2154	Δ	59-26.2 54-19.1	59-24.8 54-22.2	+1.4 -3.1	59-25.0 54-21.0	+1.2 -1.9					205	232	234	30	100	259					
2200	C	GANDER	RADIO	S616		59-12N	054-30W				215Z		FL100		EXIT	Ⓦ	2235Z		REQ FL220		D→CYHZ
2258	C	GANDER	RADIO			LAND		CLIMB			D→PP		D→YHZ		FL220		RR				
2303	Δ	54-25.5 57-06.0	54-27.1 57-06.5	-1.6 -.5	54-24.3 57-08.4	+1.2 -2.4					205	315	140	20	220	324					
2317	C	V	CALLED	GANDER			CHECKED		OFF		HF's										

8864 S8891 PS616 (1213) T2899 122 808-277-2359

0000Z "X": -10/-12 30.13 ILS 23 140/8 V3 LSS 22 BK 4.5 OVC

MISSION LOG | **PAGE 2 OF 2**

FIX TYPES
(G) - GPS (I) - INS (R) - RADIO (M) - VISUAL (C) - CELESTIAL (D) - DR

TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
2343	A	51-37.5 59-13.8	51-40.0 59-06.0	-2.5 +7.8	51-37.5 59-13.5	0 +.3					226	313	270	45	220	335					
0048	A	46-22.7 62-35.6	46-22.7 62-37.8	0 -2.2	46-22.1 62-37.1	+.6 -1.5					202	336	295	65	220	329					
0113	LAND																				
0120	BLOCK																				
2038	DROP	59-47 52-11																			

FSD6