

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

FLT ID: 20110321n1	From: Phnl	To: PANC
FLT #: 11-046	Blk In: 0304 Z	Lnd Time: 0301 Z
ETD: 2000 Z	Blk Out: 1908 Z	T/O Time: 1921 Z
ETE: 8	Total Blk: 8.0	Total Flt: 7.7
Sponsoring Org: ncep	Program: wsr	Purpose: Surv
AOC Flight Crew		
Aircraft Commander: Hagan	Data System: Rogers	
Co-Pilot: Glover	Avaps: Paul	
Navigator: /	System Engineer: Smith	
Flight Eng: Rottveel	AA:	
Flt Director: Ash, Parvosh	AA:	
Avionics:	Crew Chief:	
Participating Scientists, Visitors, & Add'l Aircrew on back.	Total # of people on board: 8	# of people listed on back: 0
	A/C - Takeoff	Wx Station - Takeoff
Pressure	1019.4	997.8
	A/C - Land	Wx Station - Land
ATIS - Takeoff 221853Z 06018624KT 108M -RA FEW027 BKN049 BKN060 24/19 A3014		
ATIS - Land 230153Z 00000KT 10SM SCT070 SCT095 OVC130 02/M07 A2960		
Data Source	Number	Data Disposition / Date / Quality / File Name(s)
Flight Level Tapes		
Radar Tapes		
Dropsondes	16	Good: 14 Bad: 2 Sent: 14
AXBT		
List other data sources on back in Remarks section.		
Remarks (Storm Name, Mission ID, Recco Times, Fix Times)	Recco Times:	Fix #
Storm Name:		Fix Time
Mission ID: NOAA 42WSC track 99		

AOC GPS Dropwindsonde Log

Flight Director: ASh/Parish

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Storm/Track: Tract 99

Mission ID: 10099 4205C

Ch. #	Drop #	Sonde ID	Drop Time (UTC)	Lat (°N)	Lon (°W)	Wx Cond.	SFC Pres (mb)	Ob #	L5/R5	Last Winds R5 (ht, ws, wd)	Last Winds L5 (ht, ws, wd)	Sent Time/KWBC (UTC)
1	1	101935276	220315	35.0	143.5	ci, scat cu	1028.3	1	r5	9.7/341		222557
2	2	103515111	221917	36.5	141.9	ci	1025.5	2	r5	13.5/317		224054
3	3	103115390	223852	38.2	139.8	scat cu	1021.3	3	r5	10/307		230504
4	4	101655073	225822	40.0	137.6	scat cu	1017.0	4	r5	10.6/328		232039
5	5	102325034	2322			ci		5	r5	fast fall		
6	6	101715174	232359	41.5	140.8	ci	1017.1	5	r5	5.1/330		234847
7	7	103115455	234205	42.5	143.1	scat cu	1019.6	6	r5	13.1/312		000602
8	8	102135228	000103	43.5	145.6	ci	1020.8	7	r5	12/292		004023
9	9	101655179	001812	44.3	147.8	st	1019.1	8	r5	10.6/264		014325
10	10	103115344	003443	45.0	150.0	st	1016.9	9	r5	14.3/244		005905
11	11	103515109	005318	47.1	150.2	st	1009.1	10	r5	14.2/246		012146
12	12	103515196	010938	49.0	150.3	st	1002.1	11	r5	13.1/244		014549
13	13	101935286	012843	51.2	150.5	st	999.1	12	r5	2.5/135		021948
14	14	101655066	014800	53.6	150.7	scat cu	998.2	13	r5	8.0/269		021559
15	15	103455106	0209			st		14		fast fall		
16	16	102115128	021044	56.2	151.6	st	997.0	14	r5	4.3/123		023513

0110837
000602
004023
014325
005905
012146
014549
021948
021559
023513

0111247
014023
015311



NOAA G-IV N49RF
WSR-11, PHNL-PANC
22 Mar 2011, 42WSC Track99



Flight ID: 20110322N1

<u>Sensor or system</u>	<u>Number or Name</u>	
Accelerometer	AccZI.1	
Altitude	AltGPS.3	
Attack Angle	AA.2	
Dew Point Probe	TD.2	
Dynamic Pressure	PQF.2	
Geopotential Altitude	ALTGA.1 (AltGPS.3)	
Inertial Selected	INE 3	
Static Pressure	PSF.2	
Slip Angle	SA.2	
Temperature Probe	TTM.1	
True Air Speed	TASF.3	
Constants File	49cal102	
Flight Directory	acdata/MET/2011/20110322N1	
Local Met Data:	<u>Takeoff</u> (1921Z)	<u>Landing</u> (0301Z)
Aircraft Static Pressure	1019.4 mb	997.8mb
Tower Pressure (corrected)	1020.2 mb	996.9mb

Notes:

INE.3 was chosen due to INE.1 and INE.2 not seeing a dip in altitude from 01:53UTC to 02:05UTC

TTM.1 was chosen due to an oscillation with amplitude of about 0.5°-1.0°C

TD1 was warmer than ambient temp throughout the whole flight. TD2 performed better staying below the ambient temp and will be used as the reference sensor.

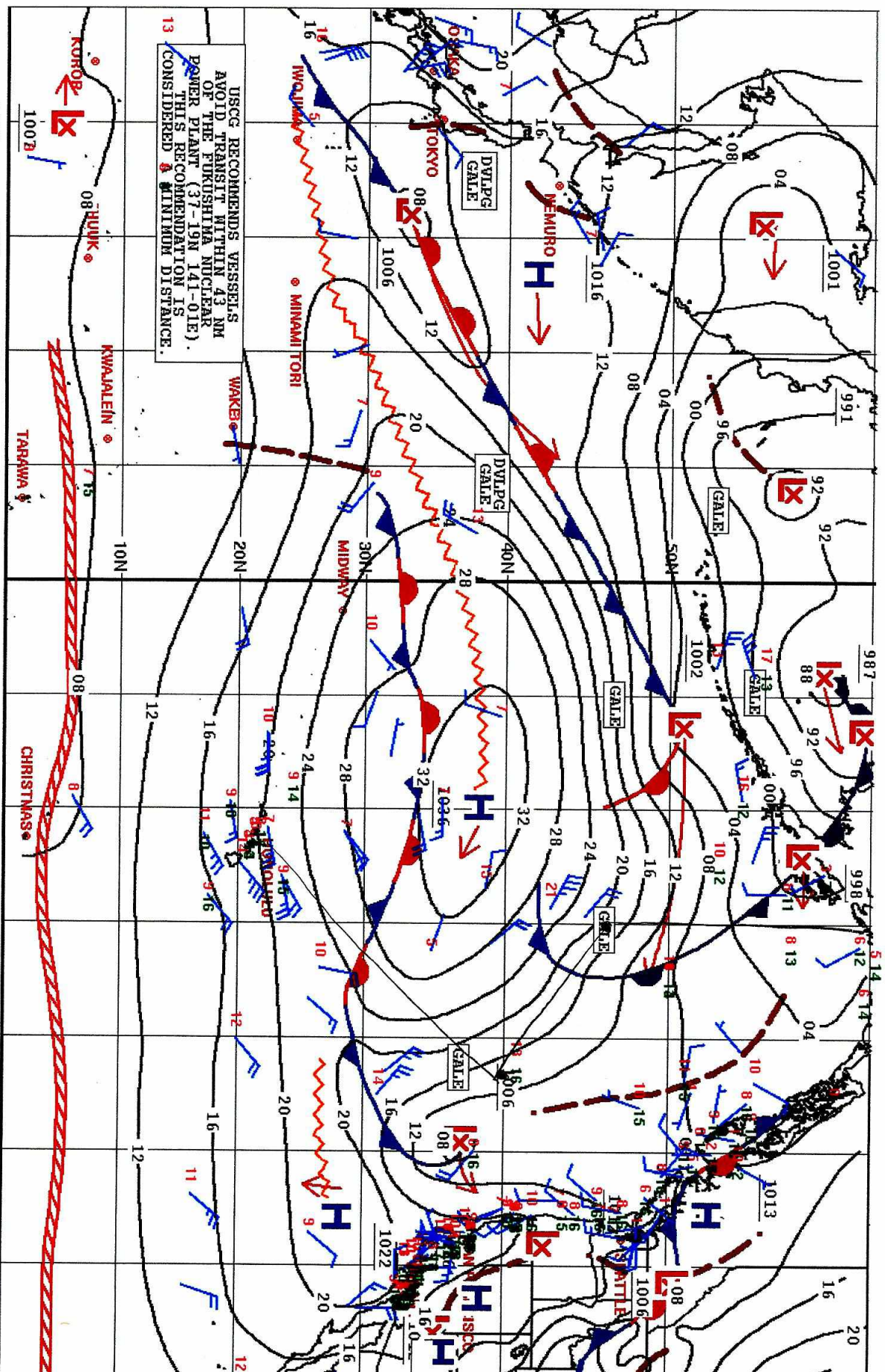
AA.2 was used as default because of spikes in AA.1 during takeoff and landing. Amplitude of the spikes were 35° at 19:20UTC and 150° at 03:01UTC

16 dropsondes launched (AVAPS II): 14 good, 2 bad.

All 14 good drops successfully transmitted to be ingested into the ^{23 7C21}22/00Z model.

Flight Director:
Phone #:

LCDR Nancy Ash/ Jack Parrish
(813) 828-3310 ext. 3077



NORTH PACIFIC SURFACE ANALYSIS MAR 22 2011 12 UTC U.S. Dept. of Commerce/NOAA/National Weather Service Honolulu, Hawaii