



NOAA G-IV N49RF
WSR-11, PANC-PHNC
13 Mar 2011



Flight ID: 20110313N1

<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 1
Static Pressure	PSF.2
Slip Angle	SA.2
Temperature Probe	TTM.1
True Air Speed	TASF.3
Constants File	49cal102
Flight Directory	acdata/MET/2011/20110313N1

Local Met Data:	<u>Takeoff</u> (1930Z)	<u>Landing</u> (0311Z)
Aircraft Static Pressure	996.8mb	1016.1mb
Tower Pressure (corrected)	996.2mb	1016.5mb

Notes:

A gap in all data is seen covering the period beginning 00:00:09 UTC and ending 00:00:57 UTC.

Even though WS.1 is the reference horizontal wind speed, it should be noted that WsI has an inverted spike (at 22:50:38 UTC) which looks to be due to acceleration in the vertical direction (turbulence). This produces a 7.5m/s difference between the two.

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.1 spiked at takeoff and landing which is consistently seen in other flights. The magnitude of the spike at take off was 75° and landing 150°. Therefore AA.2 was chosen

TTM3 oscillation of 1° C. Used TTM1 as default.

Due to an oscillations seen in INE 2 and INE 3 Inertial 1 should be used.

Flight Director:
Phone #:

LCDR Nancy Ash/Jessica Williams
(813) 828-3310 ext. 3140



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13 dropsondes launched (AVAPS II): 13 good, 0 bad.
All 13 good drops successfully transmitted to be ingested into the 14/00Z model.

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

FLT ID: 20110313N1	From: PANC	To: PHNL
FLT #: 11-044	Blk In: 0314 Z	Lnd Time: 0311 Z
ETD: 2000 Z	Blk Out: 1913 Z	T/O Time: 1930 Z
ETE: 7.6	Total Blk: 8.0	Total Flt: 7.7
Sponsoring Org: NCEP	Program: WSR	Purpose: SURV

AOC Flight Crew

Aircraft Commander: Odell	Data System: Rogers
Co-Pilot: Toth	Avaps: Paul
Navigator: /	System Engineer: Smith
Flight Eng: Rutevel	AA:
Flt Director: Ash, Williams	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	A/C - Land	Wx Station - Land
Pressure	996.8	996.8	1016.1	

ATIS - Takeoff 131853Z 0000KT 10SM CLR M09/M14 A2957

ATIS - Land 140253Z 21006KT 10SM FEW032 SCT050 26/18 A3003

Data Source	Number	Data Disposition / Date / Quality / File Name(s)
Flight Level Tapes		
Radar Tapes		
Dropsondes	13	Good: 13 Bad: 0 Sent: 13
AXBT		

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: NOAA9 40WSC Track 99

Flight Director: Ash Williams

Storm/Track: Track 99

Pg 1 of 1

CP = 40M 150W

9.9/661
10.9/062
9.7/319
26.8/200

Track 99
drop every 15-20 min

med-heavy precip Pacific NW

t/o wx: wd: 02005KT P6SM SKC

ws:

2000

clouds:

turb:

Outbound: wd:

SW 30-40 KTS

ws:

W 100-160 KTS

clouds:

NW 35 KTS

turb:

Inbound: wd:

ws:

clouds:

turb:

landing wx: wd: 07007KT P6SM FEW030 SCT050

ws:

0400

clouds:

turb:

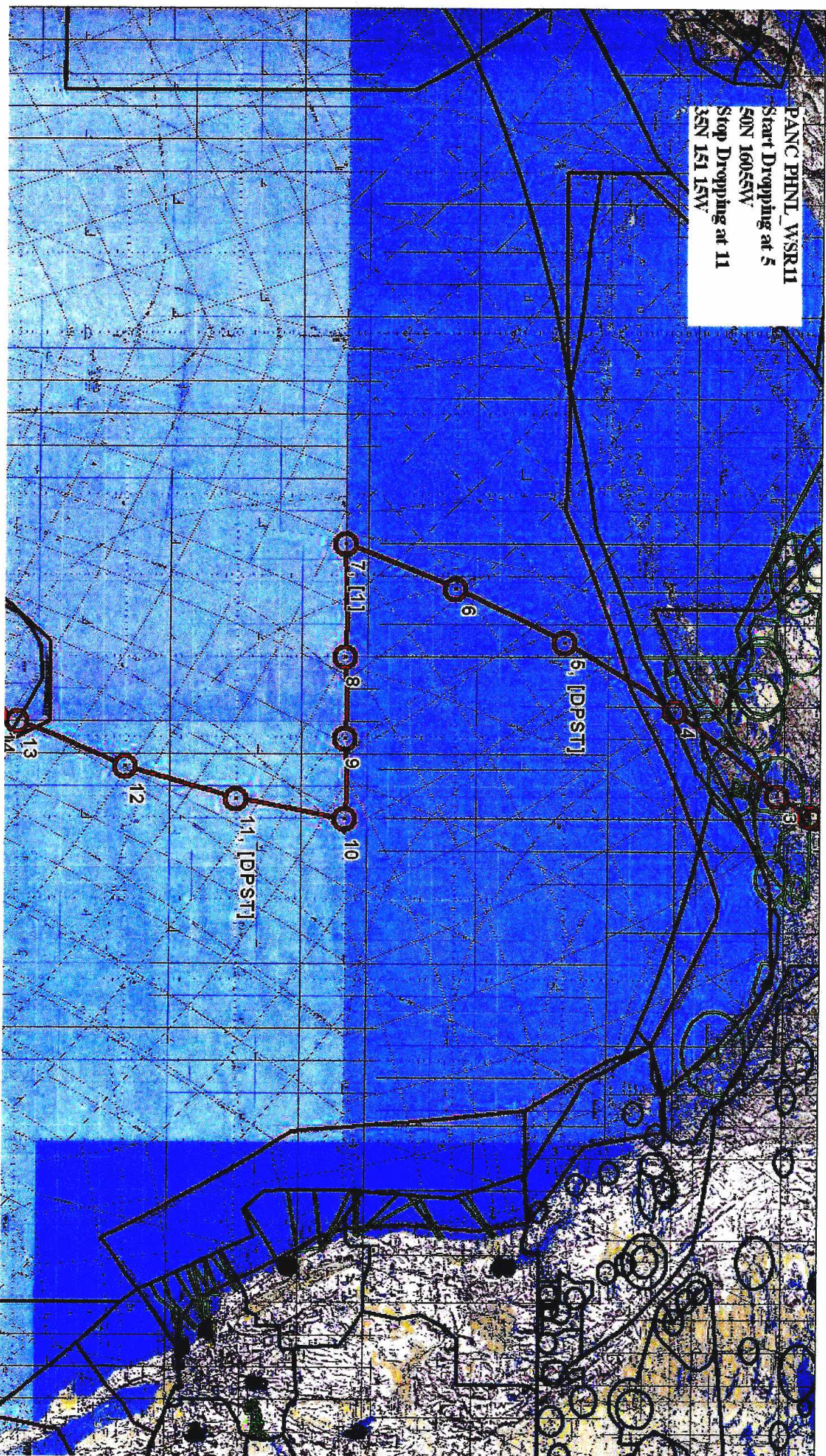
local conditions:

Sea Salt:

no reports icing or turb.

Volcanic Ash:

PANC PHNL_WSR11
 Start Dropping at 5
 50N 16055W
 Stop Dropping at 11
 35N 151 15W



61.1
 1496

2) 40 N
 170 W

3) 40 N
 150 W

600 I
 1300

150mm=200mm