

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

FLT ID: 20110328N1	From: PANC	To: PANC
FLT #: 11-051	Blk In: 0244 Z	Lnd Time: 0241 Z
ETD: 2000 Z	Blk Out: 1926 Z	T/O Time: 1932 Z
ETE: 7.5	Total Blk: 7.3	Total Flt: 7.2
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: /	AA:
Flt Director: Ash	AA:
Avionics:	Crew Chief:
Participating Scientists, Visitors, & Add'l Aircrew on back.	Total # of people on board: 6
	# of people listed on back: 0
A/C - Takeoff	Wx Station - Takeoff
A/C - Land	Wx Station - Land
Pressure: 999.5	996.5

ATIS - Takeoff 1853Z 02003KT 10SM FEW030 BKN060 BKN200 MO3/MO8 A2964

ATIS - Land 0153Z 03004KT 10SM SCT050 BKN075 OVC130 02/MO6 A2955

Data Source	Number	Data Disposition / Date / Quality / File Name(s)
Flight Level Tapes		
Radar Tapes		
Dropsondes	19	Good: 19 Bad: 0 Sent: 19
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: NOAA 47WSC TRACK 27			



NOAA G-IV N49RF
WSR-11, PANC-PANC
28 Mar 2011, 47 WSC Track27



Flight ID: 20110328N1

<u>Sensor or system</u>	<u>Number or Name</u>
Accelerometer	AccZI.2
Altitude	AltGPS.3
Attack Angle	AA.2
Dew Point Probe	TDM.2
Dynamic Pressure	PQF.2
Geopotential Altitude	ALTGA.1 (AltGPS.3)
Inertial Selected	INE 2
Static Pressure	PSF.2
Slip Angle	SA.1
Temperature Probe	TTM.1
True Air Speed	TASF.1
Constants File	49cal102
Flight Directory	acdata/MET/2011/20110328N1

Local Met Data:	<u>Takeoff</u> (1932Z)	<u>Landing</u> (0241Z)
Aircraft Static Pressure	999.5 mb	996.5 mb
Tower Pressure (corrected)	999.2 mb	996.2 mb

Notes:

By comparing GDIFF1 and GDIFF2, GDIFF2 shows less inertial drift and it can also be seen when comparing other inertial parameters. INE2 (including AccZI2) was chosen to be the default.

Early in the flight, when changing altitudes, ALTPA seems to take about 10 minutes to stabilize at that pressure level which can be seen when compared to AltPaADDU. ALTPA still used as reference however.

TDM2 was chosen as default, TDM1 remains unrealistic. TDM1 is about 10-15°C warmer than TDM2 at flight level and about 15°C warmer than TA1.

Oscillations are seen in the TTM3 data so TTM1 was chosen as reference. (and TASF1 because the TTM3 oscillation shows up in the TASF3 calculation).

Small sporadic gaps in data were found in multiple ADDU parameters. Problems is currently unknown and does not affect key parameters in other calculated parameters but should be noted.

19 dropsondes launched (AVAPS II): 19 good, 0 bad.

All 19 good drops successfully transmitted to be ingested into the 29/00Z model.

Flight Director:
Phone #:

LTJG Nick Morgan
(813) 828-3310 ext. 3075

Flight ID: 20110328M

Flight Director: AS4

Mission ID: ND479 4708C

Storm/Track: Track 27

Pg 1 of 1[illegible]

Track 27
19 drops

major eastern US storm
heavy precp over WA

t/o wx: wd: anc: 03006KT 10SM FEW003 SCT030
ws: BKN060 OVC200 M03/M08 A2965

28/2000

clouds: adq: 30011619KT 10SM FEW020 SCT045
turb: BKN250 01/M05 A2957

Outbound:

wd: W 60-100 KTS blue = 100-250 mb

ws:

clouds:

turb:

Inbound:

wd:

ws: ~~000~~

clouds:

turb:

landing wx:

wd:

²⁹⁰⁰⁰
anc 36006KT P6SM BKN060 OVC120

ws:

0.500 ←

29/0400

clouds:

ADQ: 35012KT P6SM VEST4 OVC040

turb:

0500 01008KT 5SM -SN BR SCT025
OVC040

local conditions:

Sea Salt:

Pireps turb: none

Volcanic Ash:

Sakurajima + Kizimen but not here.