

NOAA P-3 N43RF

Step Frequency Calibration



Flight ID: 080917I

<u>Sensor or system</u>	<u>Number or Name</u>
INE	1
Accelerometer	1
Temperature Probe	1
Dew Point Probe	2 (EdgeTech)
Altitude (for vertical wind)	Blended GPS (alti1)
Static Pressure	Rosemount Fuselage PSF
Dynamic Pressure	Rosemount Fuselage PQF1
Time Source	Micro99
Constants File	n43_hur08.adc

Notes:

There were no time/data gaps during the flight.

Due to hardware changes in some of the navigational equipment, a number of parameters have been adjusted in the netCDF file. RA159 and ALTI1 both display the blended altitude solution of the GPS/RINU system, RA232 displays the corrected HG9550 radar altitude, ALTI2 displays the uncorrected HG9550 radar altitude, and ALTCLN displays the NOVATEL radar altitude data.

Temperature data from sensor number 3 is erroneous.

There was an ~35 mb difference in differential attack pressure between the fuselage and radome.

There was an ~12 mb difference in differential sideslip pressure between the fuselage and radome throughout the flight.

No Collins or Ashtech GPS data exist for this flight.

The King Liquid Water Sensor was inoperative throughout the flight.

Dewpoint sensor number one displayed erroneous spikes during the following times: 150306Z- the end of the flight.

SPECIAL NOTE!!! Vertical ground, vertical air and vertical speeds, computed using Dave Jorgensen's vertical wind algorithm should be used for vertical wind analysis.

	Takeoff 1223Z	Land 1513Z
Aircraft Static Pressure	1014.8 mb	1014.5 mb
Corrected Tower Pressure	1015.1 mb	1015.7 mb

Flight Director:

Martin Mayeaux (813) 828-3310 ext. 3086

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Flt ID: 080917I	From: Kmcf	To: Kmcf
Flt. No: -	Blk In: 1521 Z	Time On: 1513 Z
ETD: 1230 Z	Blk Out: 1214 Z	Time Off: 1223 Z
ETE: 4+00	Blk Time: 3+07 (3.1) Hrs	Flt Time: 2+50 (2.8) Hrs
Sponsoring Org: AOC	Program: SEmp Calibration	Purpose: Calibrate

AOC Flight Crew

Aircraft Commander: Giramonte, A	Data System: Lynch, T
Co-Pilot: Ebhardt, A 1	AVAPS: Naehar, D
Navigator: Bishop, J 1 Kidder, R	System Eng: Smith, J
Flight Eng: Floyd, D 1	AA: San Souci, D
Flight Director: Mayeaux, m 1	AA:
Avionics:	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation

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

Recco Times

Fix # Fix Time

Storm Name: NOAA3 WXXA Train

Mission ID: _____

Penetration number and time LV8 ~~san~~ Seems good

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Flight ID: 080917I		Time Off: 1223 Z		Time On: 1513 Z	
A/C - Takeoff		Wx Station - Takeoff		A/C - Land	
A/C - Land		Wx Station - Land			
Pressure	1014.8 mb	1015.0 2998 (29.98) mb	1014.5 1015.5 mb	3001 (1015.7) mb	
ATIS	Time	Observation			
Takeoff	1055Z	Calm 865m 29/23 A2998			
Land	1355Z	V1603KT 105m 8ct 190 Bkn 250 28/24 A3001			
	Number	Data Disposition / Date / Quality			
Flight Level Tapes					
Radar Tapes					
Cloud Physics Tapes / CDs					
Video Tapes					
Dropsondes		Good: Bad:			
AXBT					
AXCP					
AXCTD					

Remarks:

INS 2 had Problems - mag heading issues