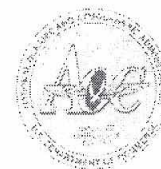




NOAA P-3 N42RF OCEAN HEAT BUDGET



Flight ID: 060727H

Sensor or system

INE
Accelerometer
Temperature Probe
Dew Point Probe
Altitude (for vertical wind)
Static Pressure
Dynamic Pressure
Time Source
Constants File

Number or Name

1
1
2
1 (General Eastern)
Radar Altimeter 159
Rosemount Fuselage
Rosemount Fuselage 1281
Micro 99
CO2062.com

Notes:

There was one time/data gap during this flight which occurred from 182801Z-182810Z.

The Collins GPS was inoperative from 142900Z-143821Z.

Drift angle and heading values from inertial two were off by ~75 degrees throughout the flight. This had a profound impact on winds. Therefore, inertial one was used to calculate derived wind data.

The King liquid water sensor was inoperative throughout the flight

In order to reduce relative humidity data to reasonable values, a spike in dewpoint sensor number one was removed from 193940Z-194045Z.

There was no altitude data from Inertial 1 and 2 throughout the entire flight.

SPECIAL NOTE!!! Locations 80, 81 and 82 of record five on the standard tape contain vertical ground, vertical air and vertical speeds, respectively, computed using Dave Jorgensen's vertical wind algorithm.
It is recommended that these values be used for vertical wind analysis.

	Takeoff	Landing
Aircraft Static Pressure	1018.5 mb	1015.4 mb
Corrected Tower Pressure	1017.9 mb	1019.7 mb

Flight Director: Martin Mayeaux (813) 828-3310 ext. 3086

U.S. Dept. of Commerce / NMAO / NOAA / Aircraft Operations Center

Flt ID: 0607274	From: kmcf	To: kmcf
Flt. No: 06-056	Blk In: 2129 Z	Time On: 2119 Z
ETD: 1200 Z	Blk Out: 1225 Z	Time Off: 1236 Z
ETE: 9+30	Blk Time: 9+04 (9.1) Hrs	Flt Time: 8+43 (8.7) Hrs
Sponsoring Org: NHC	Program: Ocean Heat Budget	Purpose: Collect Water Temp Profile

AOC Flight Crew

Aircraft Commander: Nelson, m	Data System: Mcmillan, S
Co-Pilot: Silah, m ; Newman, C	AVAPS: Peek, B
Navigator: Siegel, P ; Bishop, J	System Eng:
Flight Eng: Bast, C	A A:
Flight Director: Mageaux, m	A A:
Avionics: Olney, B	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
Black, P	PI	HRD
Lowhorn, Christina	Obs	Naval Academy
Shay, Nick	Obs	UM
James, Benjamin	Obs	UM
Lorano, C	Obs	Environmental Research / NWS
Hicai, Joyce	Obs	ROTC
Kundert, Keri	Obs	ROTC

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

Storm Name: 2 at a time if they work well

Mission ID: RT159 off
Track 2 + Hdy 2 off by 60° Switched to line 1

Penetration number and time

Default Sippican 2
6

813-833-1734

U.S. Dept. of Commerce / NMAO / NOAA / Aircraft Operations Center

Flight ID: 060727H

Time Off: 1236

Z

Time On: 2119

Z

A/C: Takeoff

Wx Station: Takeoff

A/C: Land

Wx Station: Land

Pressure

018.5

mb

3006

mb

1015.4

mb

3017

mb

ATIS

Time

Observation

Takeoff

1065 Z

0900514 865m 26/24 A3006

Land

1955 Z

3601622625 SC7050 SC7350 B/W 120 ovc 250 3008

Number

Data Disposition / Date / Quality

Flight Level Tapes

2

Radar Tapes

1

Cloud Physics Tapes / CDs

Video Tapes

Dropsondes

Good:

Bad:

AXBT

2482

AXCP

AXCTD

Remarks:

(C) - CIPS (I) - NS (F) - RADIO (M) - VISUAL (Q) - CELESTIAL (D) - DR

(C) - CIPS (I) - NS (F) - RADIO (M) - VISUAL (Q) - CELESTIAL (D) - DR

[illegible]

$$\begin{array}{r} 484 \\ 202 \\ \hline 382 \end{array} \quad \begin{array}{r} 616 \\ 484 \\ \hline 132 \end{array} \quad \begin{array}{r} 894 \\ 616 \\ \hline 268 \end{array} \quad \begin{array}{r} 931 \\ 884 \\ \hline 47 \end{array} \quad \begin{array}{r} 1614 \\ 1416 \\ \hline 198 \end{array} \quad \begin{array}{r} 1361 \\ 1196 \\ \hline 165 \end{array} \quad \begin{array}{r} 1416 \\ 1306 \\ \hline 110 \end{array}$$

INS PERFORMANCE		
	INS 1	INS 2
BEGIN ALIGN TIME	1030	1030
ALIGN STATUS (0-5)	4	4
END NAV TIME	2129	2129
START NAV TIME	1215	1215
DELTA T	9+14	9+14

TERMINAL ERRORS		INS 1	INS 2
DELTA LAT	-1.7	+0.9	
DELTA LON	+0.7	+0.9	
RCS	6	φ	
RADIAL ERROR	2	2	

REMARKS	1507
	N 23° - 23.1
	W 86° - 50.6
	<u>N 23° - 22.6</u>
	GPS
	W 86° - 55.4

[illegible]

