



NOAA P-3 N42RF
Hurricane Ophelia Ocean Winds
KMCF - KMCF



Flight ID: H050912

Sensor or system

Number or Name

Inertial

2

Accelerometer Data

2

Temperature Probe

1

Dew Point Probe

1

Altitude (for vertical wind)

Radar Altitude

Radar Altitude

RA-159

Static and Dynamic Pressure

Rosemount Fuselage

Time Source

Micro 99

Constants File

CO2054.CON

Local meteorological data:

Take Off observation taken at 1655Z, by KMCF. Wind from W at 8 knots. Visibility 7 miles. Temperature 30 C, Dewpoint 22 C. Surface pressure 1016.9 mb.

Landing observation taken at 2355Z, by KMCF. Wind NW at 11 knots. Visibility 7 miles. Surface pressure 1015.0 mb.

Notes:

File Start Time: 182801Z. End time: 003800Z.

Time, data gaps 185829-185845Z, and 220610Z-220615Z.

Used RA-232 inoperative until 202545Z.

RA-159 was inoperative before take off, after landing.

Parameter VSI2 inoperative after 213150Z.

There were several instances when the dew point temperature exceeded the ambient temperature resulting in a RH% above 100%. These times were during heavy precipitation events and were likely due to a wet-bulb effect on the total temperature sensor, and/or an artificial warming of the dew point sensor as it tried to burn off excess moisture. No corrections were made during these events unless noted above.

All other instruments worked optimally during the flight.

The aircraft INE1 positions were renavigated with respect to GPS.

Flight Director:
Phone #:

Jack Parrish
(813) 828-3310 ext. 3077

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

FLT ID: 050912H	From: KMCF	To: KMCF
Flt No: 05 - 045	In: 0048 Z	On: 0038 Z
ETD: 1830 Z	Out: 1813	Off: 1828
ETE: 7 +	Blk Time: 6 + 35 (6.6) Hrs	Flt Time: 6 + 10 (6.2) Hrs
Sponsoring Org: NES Dis	Program: Ocean Winds	Purpose: T.S. Ophelia

AOC Flight Crew

Aircraft Commander: Kennedy	Data System: McMillan ✓
Co-Pilot: Nelson	AVAPS: Olney ✓ Kerr ✓
Navigator: Gallagher ✓	System Engineer:
Flight Eng: Wade	AA:
Flight Director: Parrish ✓	AA:
Avionics:	Crew Chief:

Participating Scientists / Visitors

Name (Last, First)	Activity on Aircraft	Affiliation
Chang, P. ✓	P.I.	NES Dis
Esteban, D. ✓	Twirl	↓
Cateras, R. ✓	↓	↓
Chu, T. ✓	↓	↓
Black, M. ✓	Rainex BT	ITAP
Dodge, P. ✓	Radar	↓

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

Storm Name: Ophelia	2 hrld	Recco Times	212	Fix #	Fix Time
Mission ID: 10X16A	1 AOC			31°45N	2026Z
249/17-2	9 Ocean Winds			77°26W	988mb
305/11	6 BTs				
58 1016 fm 1K					
50 1016.2 fm 3K					

(See reverse for additional remarks)

U.S. DEPT OF COMMERCE / NMAO / NOAA / AIRCRAFT OPERATIONS CENTER

FLT ID: 050912H

TIME OFF: 1828 Z

TIME ON: 0038 Z

A/C - Takeoff

WX Station - Takeoff

A/C - Land

WX Station - Land

Pressure

1016.1

1016.5

1015.2

29.98(1015)

ATIS - Takeoff

Rapa - 16552 270/18 SKS 30/22 30.03 -89

ATIS - Land

Data Source

Number

Data Disposition / Date / Quality

Flight Level Tapes

Radar Tapes

Cloud Physics Tapes /
Cds

Video Tapes

Dropsondes

12

Good: 12 Bad: 0

Total: 12 4 Good Winds
2 1720
1 AOC

AXBT

6

6 good (One lake)

AXCP

AXCTD

SONOBUOY

REMARKS:

20

028-24.1 080-31.9

126.35 1813

1812 1827
18042

NAV FORM 56-49
(95)

MISSION PREFLIGHT LOG										NAVIGATOR		AIRCRAFT COMMANDER		FLIGHT DIRECTOR		SCHEDULED / ACTUAL TAKEOFF Z		DATE OF TAKEOFF		REMARKS	
WP	LAT / LON	RTE	MISSION		VAR +E=>	TH	DR +R=>	TRK	GS	WD	WS	ALT	TAS	LEG / TOT DIST	LEG / TOT TIME	PROP ETA	ETA	ATA			
			DESTINATION	MISSION																	
KMCF	27-51.0 082-51.3																				128805
LAC	27-51.0 082-51.8																				
0000	28-05.8 081-10.2																				
0000	28-06.0 080-38.1																				
0000	28-06.3 080-38.1																				
0000	28-30.0 080-30.0																				
0000	28-52.0 078-28.2																				
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FIX TYPES

2

Teal 51

Flight ID: 050912H Ocean Winds T.G. Ophelia

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Form 413-50

[illegible]

N42RF AVAPS DROP LOG

Take Off :

Mission : Ophelia

Flight ID : 050412h

Landing :

[illegible]

