

NOAA P-3 N42RF Ocean Winds Helene



Flight ID: 060919H

Sensor or system	Number or Name
INE	2
Accelerometer	2
Temperature Probe	1
Dew Point Probe	1 (General Eastern)
Altitude (for vertical wind)	Radar Altimeter 159
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage 1281
Time Source	Micro 99
Constants File	CO2062.con

Notes:

There was one time/data gap during this flight which occurred from 171951Z-172000Z.

The King liquid water sensor was inoperative throughout the flight.

The Johnson Williams Liquid Water Sensor was inoperative from takeoff through 162607Z.

Altitude from inertial one and two were both inoperative throughout the entire flight.

Temperature and dewpoint values from sensor number 3 are also erroneous.

From takeoff through 134530Z, data from radar altimeter 232 was substituted into radar altimeter 159.

Data from dewpoint sensor number 2 was substituted into sensor number 1 from 140030Z-143730Z.

There were numerous times during the flight where the dewpoint temperature exceeded ambient temperature resulting in RH>100%. This was likely due to rain, a wet-bulb effect on the total temperature sensor, and/or an artificial warming of the dewpoint sensor as it tried to burn off excess moisture. Corrections were made to the data at from 160331Z-160630Z. These corrections were made to bring the relative humidity values down below 120%.

Otherwise, all sensors worked optimally during this 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.

Landing

	Takeon	Landing
Aircraft Static Pressure	1010.4 mb	1007.9 mb
Corrected Tower Pressure	1009.7 mb	1006.7 mb
Flight Director:	Martin Mayeaux	(813) 828-3310 ext. 3086

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U.S. Dept. of C	ommerce/NMAO	/ NOAA / Aircrafi	Operations Center	
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Fit. No: 06 -066	Blk In: 2302	Z	Time On: 2759 z	1
ETD: 2000 z	BI k Out: /339	Z	Time Off: 1747	
ETE: 9+30	Blk Time: 9.7	3/941	Fit Time: O (1)	
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		ght Grew	Fulpose: Helene	
Aircraft Commander: Strong		Data System: Mc	millan	
Co-Pilot				
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Flight Eng: Bast 1	allagher in the	A A:		- 12
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(See reverse for additional remarks)

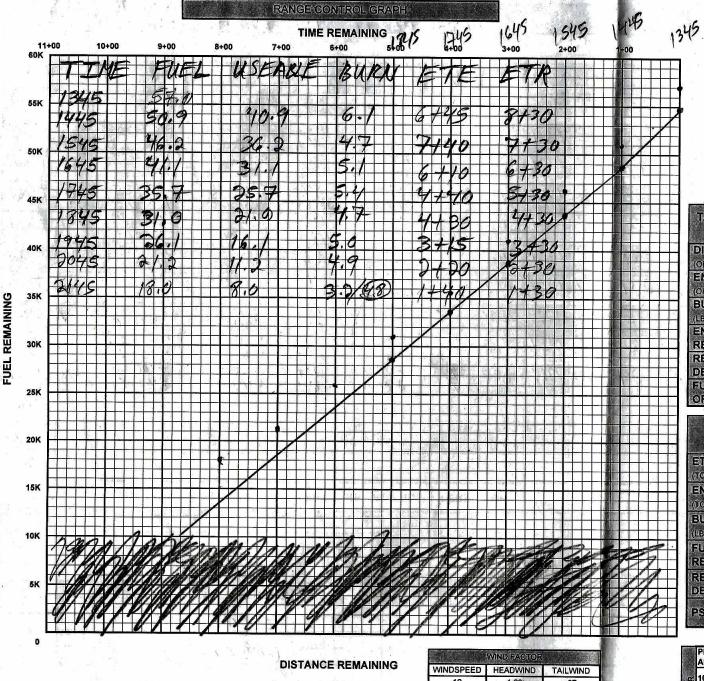
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ENROUTE FUEL (6K, 5K, 4, 5K RULE)	448
RESERVE AT DESTINATION	10.0
REQUIRED RAMP	54.8
ACTUAL RAMP	57.0

100	4 ENG	3 ENG
DISTANCE	Jan 1, 1741	
(OFFSTA TO DEST)		
ENROUTE TIME		Y- 11 2
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BURN RATE	4500	FFOO
(LBS/HR)	4500	5500
ENROUTE FUEL		J. 25
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	1000	3 EN
ETP DISTANCE		
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BURN RATE	4500	5500
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CEX SIGHT

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BODY

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ETP = .5(TOTAL DISTANCE x OUTBOUND WIND FACTOR)

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20	1.06	.94		
30	1.10	.92		
40	1.14	.89		
50	1.18	.87		
60	1.22	» ······ .85		

	PRESS ALT	200	250	300	350
OR	10,000	1.0	1.0	.99	.99
-ACT	20,000	.99	.98	.97	.97
E.	30,000	.97	.96	.95	.94
	40,000	.96	.94	.92	.90

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