

NOAA P-3 N42RF Ocean Winds 2004 Hurricane Jeanne #1 KMCF - KMCF



Flight ID: H040922

Sensor or system
Inertial + Accelerometer Data
Temperature Probe
Dew Point Probe
Altitude (for vertical wind)
Radar Altitude
Static and Dynamic Pressure
Time Source

Number or Name

2

1

1

Radar Altitude

RA-159

Rosemount Fuselage

Micro 99

CO2042.CON

Notes:

Constants File

There were SIX Hurricane penetrations on this flight.

Possible data gaps from 153400-153416Z, 015740-015748Z.

RA-232 was substituted for RA-159 during the following times: 154201-154703Z (take off), 180204-180827Z and 014059-015000Z (landing) due to spiking.

The J/W liquid water data appears to be inconsistent until after 1747Z.

There were numerous 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. These periods are typically reflected in the J/W liquid water data. No corrections were made during these events unless noted above.

All other instruments worked optimally during the flight.

The aircraft INE positions were renavigated with respect to GPS.

Due to AOC equipment/printer failure, the last step of our Quality Control process (visual QC) was not able to be performed. While other measures were taken to ensure there were no problems with the data, questions concerning questionable data should be brought to the attention of the Flight Director ASAP.

SPECIAL NOTE!!!

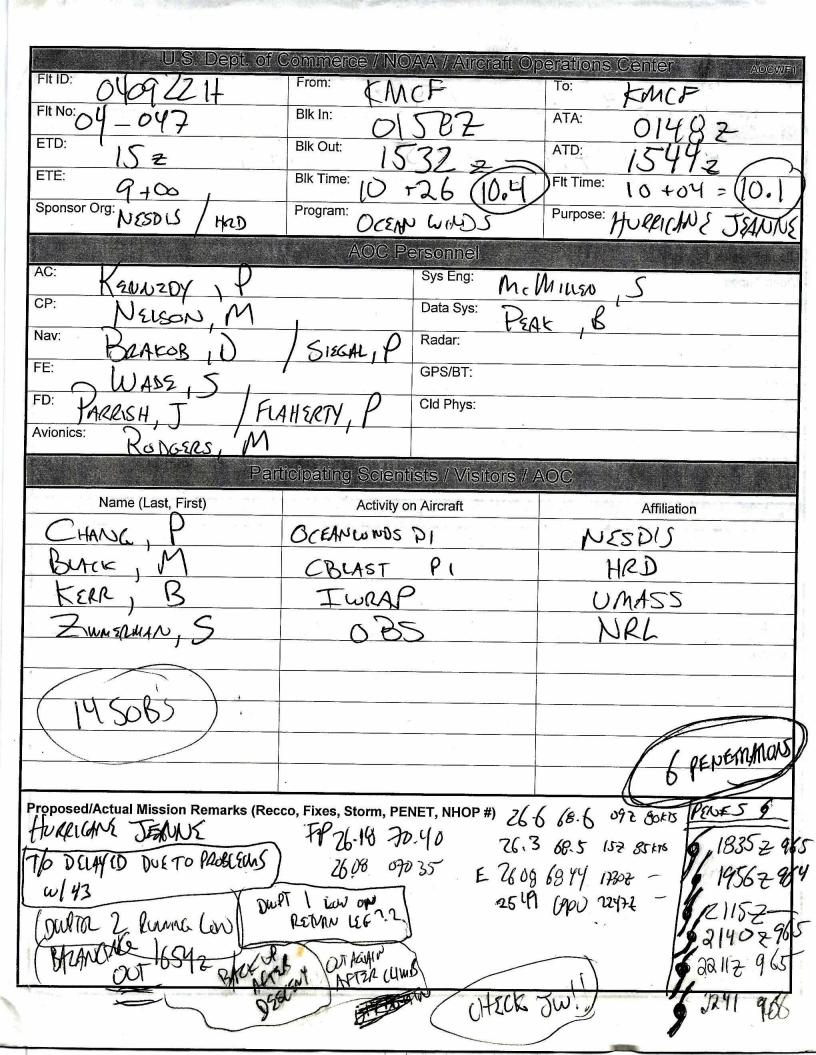
Locations 80, 81 and 82 of record five on the standard tape contain vertical ground, vertical air and vertical speeds, respectively, computed using Dave Jorgensen's vertical wind algorithm.

It is recommended that these values be used for vertical wind analysis.

Flight Director:

Phone #:

Contact Paul Flaherty (813) 828-3310 ext. 3094

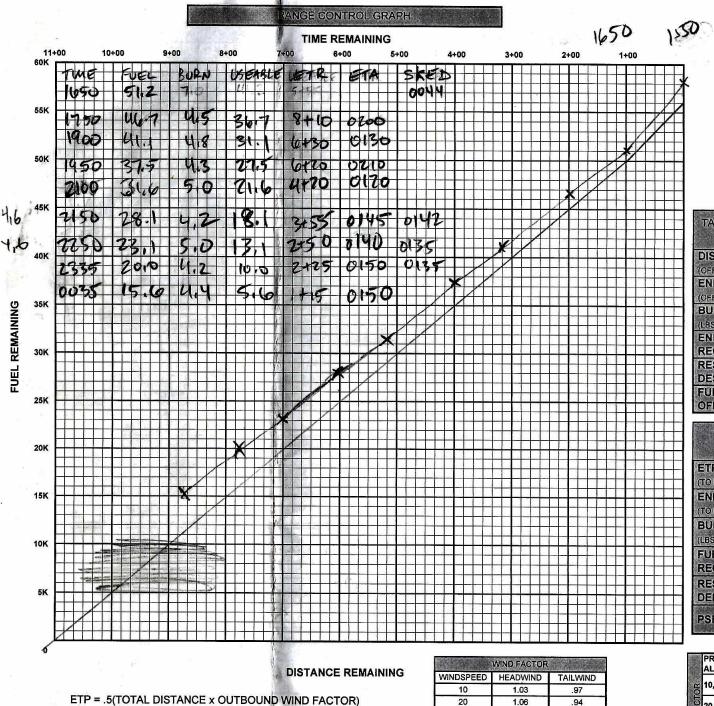


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