

NOAA P-3 N42RF IFEX/Hurricane 2005 MROC - MROC



Flight ID: H050716

<u>Sensor or system</u> Inertial + Accelerometer Data Temperature Probe Dew Point Probe Altitude (for vertical wind) Static and Dynamic Pressure Time Source Constants File

<u>Number or Name</u> 2 1 1 Radar Altitude 159 Rosemount Fuselage Micro 99 CO2054.CON

Notes:

Take-off was delayed 1 hour due to a chips light warning on engine 2, and Air Traffic Control Problems. There were time/data gaps from 230159-230210Z. Be aware of data spikes as a result of these gaps.

RA-232 was substituted for RA-159 during the following times: 182701-183037Z (take off), and 001849-004900Z (landing) due to spiking in RA-159.

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 wetbulb 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.

There were no working Liquid Water Sensors for this flight. All other instruments worked optimally during the flight. Moderate turbulence was encountered around 2023Z. This is reflected in the aircraft data. 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.

 Take-off

 Aircraft pressure
 910.1
 mb

 Station pressure
 911.1
 mb

 1700Z
 27008KTS
 10SM
 26/19
 A3005

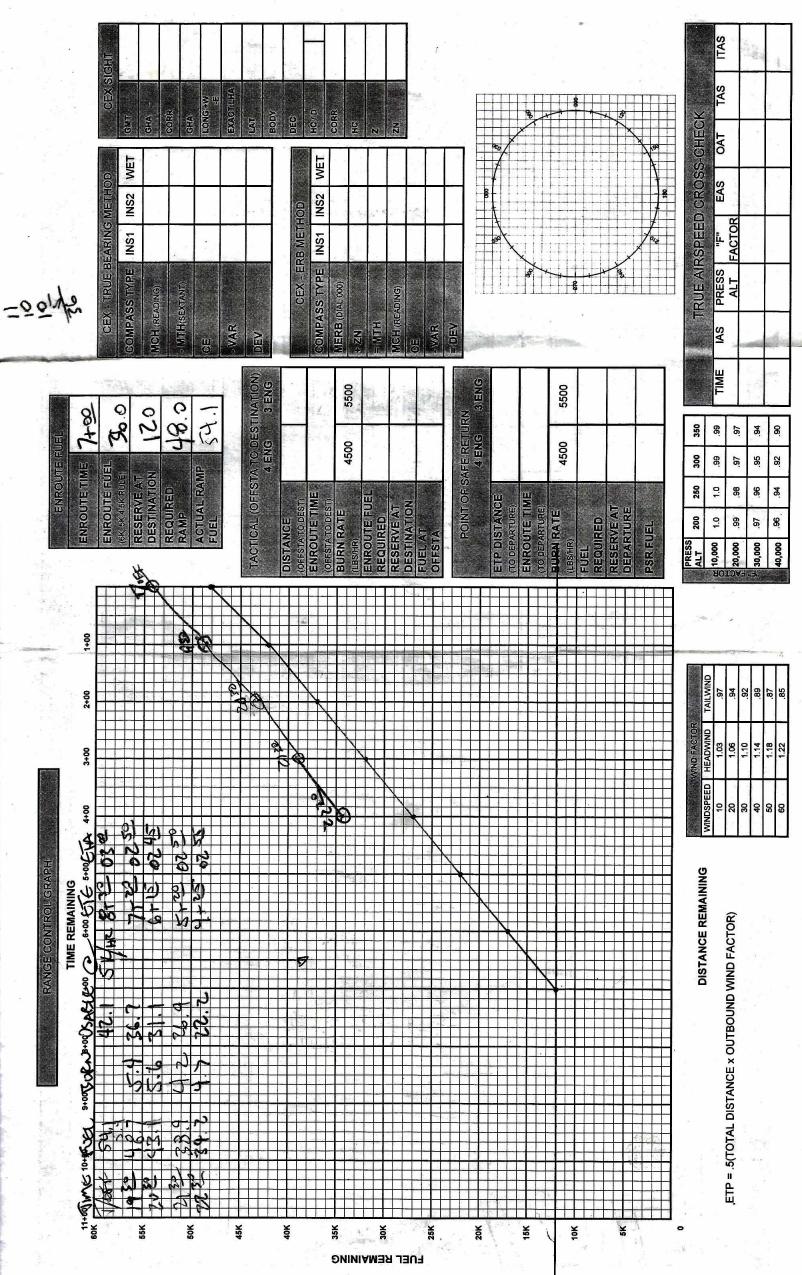
 0030Z
 25012KTS
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Landing 908.9 mb 909.3 mb

Flight Director:Contact Paul FlahertyPhone #:(813) 828-3310 ext. 3094

U.S. Dept. of Commerce / NOAA / Aircraft Operations Center AQCW/F1 FIt ID: 05 07 16 H From: To: FIt No; -037 Blk In: ATA: 2 ETD: Blk Out: ATD: 7302 ETÉ: Blk Time: Flt Time: гÒÒ Fr 6.3 Sponsor Org: Program: Purpose: JOAA / HRD ISSION # AOC Personnel AC: Sys Eng: ENNEDY CP: MIUSN Data Sys: Hoy Nav: Radar: MULAGHER FE: GPS/BT; WADT M. FD: Cld Phys: AHZON Avionics: 062R Participating Scientists / Visitors / AOC Name (Last, First) Activity on Aircraft Affiliation HRD OGERS ELGHTON RADM HRD HRD RADA NURILLO HRD SFMR HL HORN AYMOND VIS NM VIS NM ACOA Vis Geo KSVIN VIS bontcomery M $\zeta \leq O$ VIS IAN 1 MACA 0 8000 127 2227 Proposed/Actual Mission Remarks (Recco, Fixes, Storm, PENET, NHOP #) 8 50/88 (IP) 5 900 114 114 NOS POYM Law MIDRIT CHIPS LIGHT-ENG2 - DELAYED T/D KING LW ATCT PROBLEMS - DECAYED TTOT MATE TURB 20232 Courtput DATA

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