



# N42RF ERROR SUMMARY

## SENEX 2013 KMQY

23 June 2013



**Flight ID: 2013623H1**

| <u>Sensor or system</u>              | <u>Number or Name</u>      |
|--------------------------------------|----------------------------|
| Static Pressure Probe                | PSM.2                      |
| Dynamic Pressure Probe               | PQM.2                      |
| Total Temperature Probe              | TTM.1                      |
| Dewpoint Temp. Probe                 | TDM.2                      |
| Vertical Accelerometer               | AccZfilterI-GPS.1          |
| Altimeter                            | AltIGPS.1                  |
| INE Selection                        | 1                          |
| Differential Attack Pressure Probe   | PDALPHA.1                  |
| Differential Sideslip Pressure Probe | PDBETA.1                   |
| Dynamic Attack Pressure Probe        | PQALPHA.1                  |
| Dynamic Sideslip Pressure Probe      | PQBETA.1                   |
| Flight Directory                     | acdata/MET/2013/20130623H1 |

|                            |                        |                        |
|----------------------------|------------------------|------------------------|
| Local Met Data:            | <u>Takeoff</u> (1508Z) | <u>Landing</u> (2021Z) |
| Aircraft Static Pressure   | 1003.4mb               | 1000.4mb               |
| Tower Pressure (corrected) | 1002.5mb               | 1000.3mb               |

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### Notes:

There are no data available from Novatel GPS sources.

After the aircraft returned to MacDill AFB, a few instruments that were installed on N42RF were removed and calibrated in the AOC calibration laboratory. The final Quality Control data sets use the post project calibration coefficients for determining the output of the instruments.

The following parameters that have been updated from the original data set follow.

PDALPHA.2 - Radome Attack Differential Pressure Measured  
PDBETA.2 - Radome Sideslip Differential Pressure Measured  
PDALPHA.1 - Fuselage Attack Differential Pressure Measured  
PQALPHA.1 - Fuselage Attack Dynamic Pressure Measured  
PDBETA.1 - Fuselage Sideslip Differential Pressure Measured  
PQBETA.1 - Fuselage Attack Dynamic Pressure Measured  
PQM.3 - Measured Fuselage Dynamic Pressure, Two Sources --co-pilot  
PQM.4 - Radome Dynamic Pressure Measured  
TTM.1 - Measured Total Temperature Degree  
TTM.2 - Measured Total Temperature Degree

Any derived value using the outputs from the measured parameters listed above have changed slightly from the values measured in real-time.

See SENEX\_READ\_ME.txt for file information.

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*Flight Director:*  
*Phone #:*

*Ian Sears*  
*(813) 828-3310 ext. 3039*