

N42RF ERROR SUMMARY
20181012H1

Flight ID: 20181012H1

| Sensor or System ----- | Number or Name ----- |
|--------------------------------------|-------------------------|
| 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 | AltGPS.3 |
| 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/2018/MET/20181012H1

| Local Met Data | Takeoff KLAL (1328Z) | Landing KLAL (1610Z) |
|----------------------|----------------------|----------------------|
| Dynamic Corrections | | Yes |
| AttackAngleIntercept | | 2.31252 |
| AttackAngleSlope | | 6.06758 |
| SlipAngleIntercept | | 0.4295 |
| SlipAngleSlope | | 7.17033 |

Notes:

There were no edits made in the measured parameters used to calculate meteorological and navigational parameters.

Takeoff/Landing data: Data during landing and takeoff are potentially suspect. It is recommended that ground data not be used for scientific analysis.

Note: QC accomplished by Michael Holmes (mike.holmes@noaa.gov)

PDAlpha.2 Inop.

Dewpoint sensors (TDM.1, .2 and .3) suspect durring transits to and from ops area. Otherwise the dewpoint sensors performed nominally.

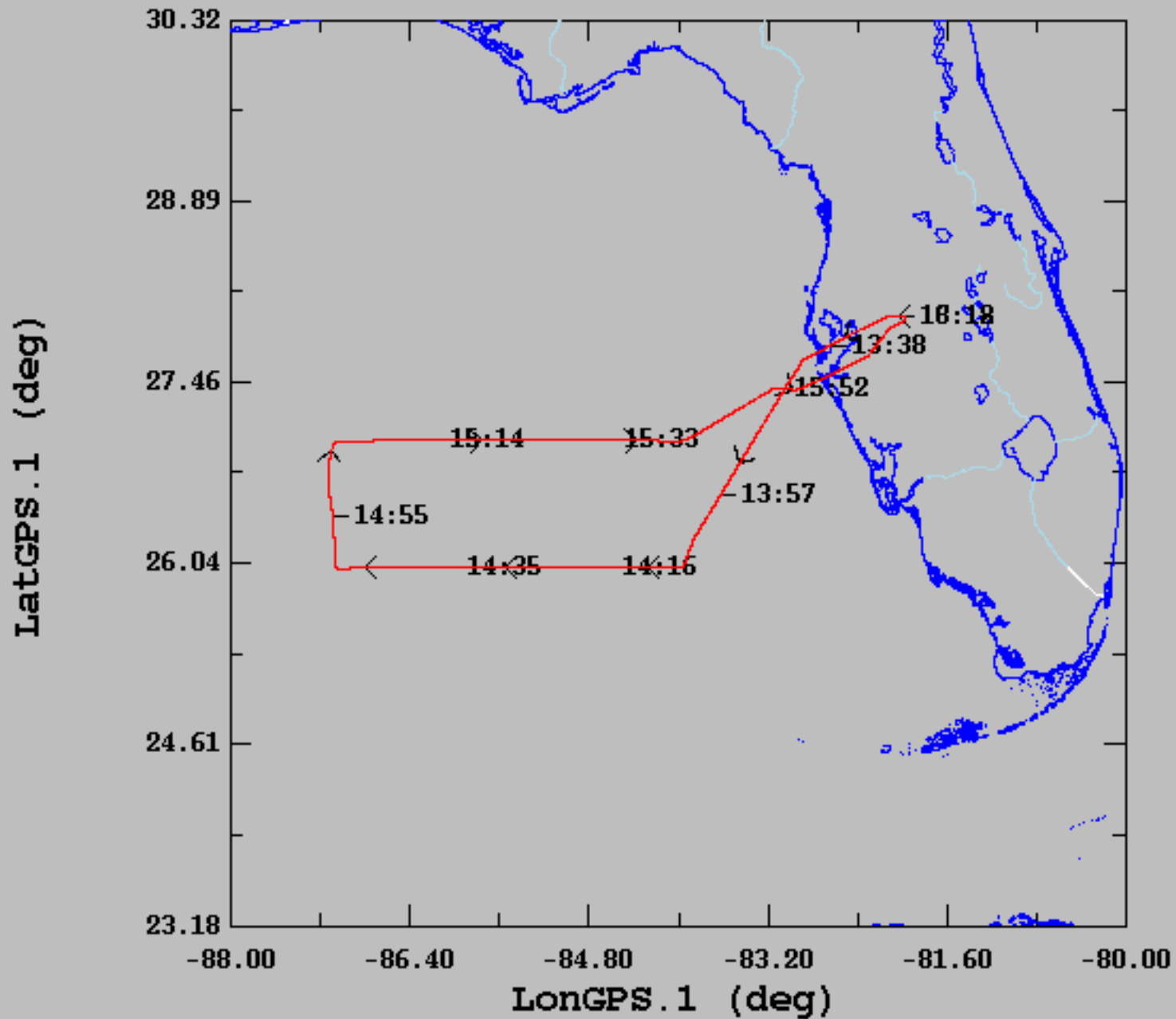
| Expendable Type ----- | # deployed ----- | # good ----- | # transmitted ----- |
|--------------------------|---------------------|-----------------|------------------------|
| Dropsondes | 0 | 0 | 0 |
| Test sondes | 0 | 0 | 0 |
| AXBts | 8 | 8 | 8 |
| AXCPs | 10 | 10 | 10 |
| AXCTDs | 2 | 2 | 2 |
| UAS | 0 | 0 | 0 |

Flight Director: Sears
Phone #:

ACAT-4 Version = 7.2.2

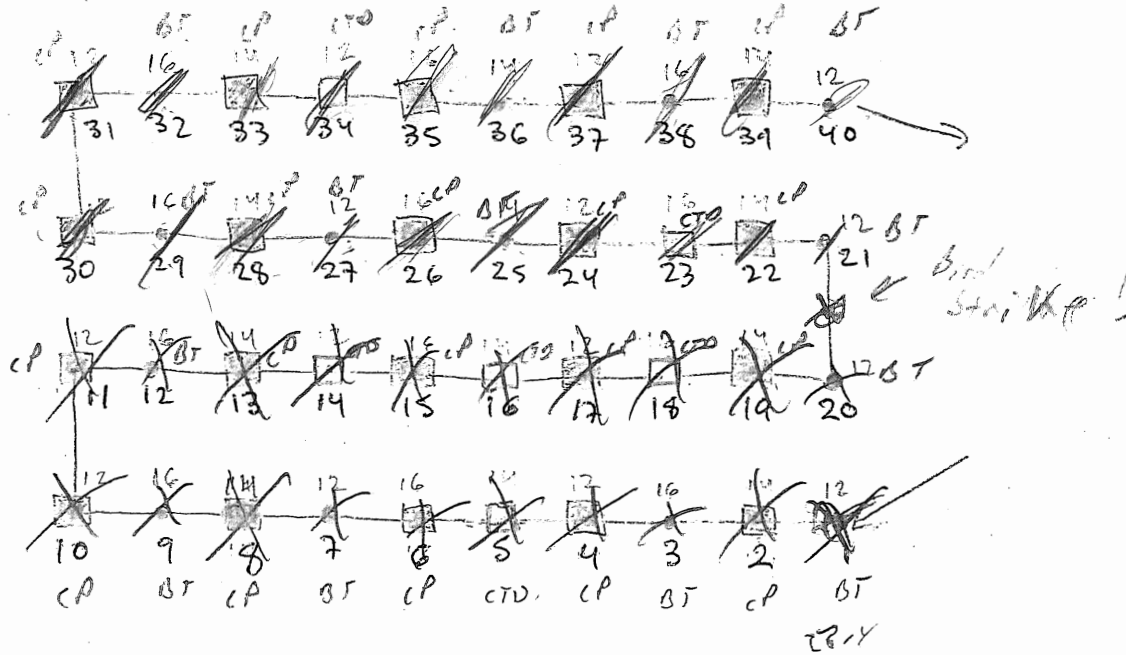
20181012H1 Flight Track

2018-10-12, 13:18:49-16:12:00



| | mean | sigma | min | max |
|----------------------------|--------|-------|--------|--------|
| — LatGPS.1 (deg), 1 s/sec | 26.89 | 0.68 | 25.99 | 27.99 |
| — LongGPS.1 (deg), 1 s/sec | -84.46 | 1.68 | -87.12 | -81.97 |

2018101141



NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

| FLIGHT INFORMATION | | | | CREW MANIFEST | | | | MISSION INFORMATION | | | | |
|-----------------------------------|------------|-------------|------|---------------|----------|-------------------|--|-------------------------|------------|------------|-----|------|
| FLT ID: | 20181012H1 | FLT #: | 1 | AC: | Abitbol | Scientists: | | Pressure | | Dropsondes | | |
| From: | KLAL | ETD: | 1400 | CP(s): | Mitchell | | | A/C Takeoff | | Good | Bad | Sent |
| To: | KLAL | ETA: | 3+00 | Nav(s): | Freeman | Jaimes de la Cruz | | Wx Station Takeoff | | BTs | | |
| Block Time | | Flight Time | | FE(s): | Heystek | Wadler | | A/C Land | | Good | Bad | Sent |
| In: | 1617 | In: | 1610 | FD(s): | Sears | Visitors: | | Wx Station Land | | 8 | | 8 |
| Out: | 1321 | Out: | 1328 | SEB: | Flaherty | | | Storm Number ID: | | | | |
| Total: | 2.9 | Total: | 2.7 | SSA: | Richards | | | (ie: AL072012) | | | | |
| Sponsoring Org: | | | | AVAPS: | Mascaro | | | TCPOD/WSPOD Mission | | | | |
| Program: | | | | | | | | (ie: NOAA2 2418A SANDY) | | | | |
| Purpose: | | OHC | | | | | | OBSERVATIONS | | | | |
| AS REQUIRED BY ORM | | | Y | N | REMARKS | | | Fix Number | Obs Number | Fix Time | SLP | |
| VOLCANIC ASH | | | | X | | | | | | | | |
| SCIENCE MISSION WITHIN BDRY LAYER | | | | x | | | | | | | | |
| LACK OF PRECIPITATION | | | | X | | | | | | | | |
| RELATIVE HUMIDITY ≥ 80% | | | | x | | | | | | | | |
| LARGE AIR-SEA TEMP GRADIENT | | | | X | | | | | | | | |
| HIGH SURFACE WINDS | | | | x | | | | | | | | |
| LONG FETCH / DURATION OF SFC WND | | | | X | | | | | | | | |
| SEA SALT ACCRETION FORECAST | | | | X | | | | | | | | |
| SEA SALT ACCRETION OBSERVED | | | | x | | | | | | | | |

Additional Remarks:

*Highlighted items must be completed before departure.

Cockpit Gmax:

Gmin:

8 BTS

10 CP

2 CTWS