

Flight Director: Lundry
Phone #: 863-500-3898

ACAT-4 Version = 7.3

U.S. Department of Commerce / NOAA / OMAO / Aircraft Operations Center - N42RF Manifest

| FLIGHT INFORMATION | | | | CREW MANIFEST | | | MISSION INFORMATION | | | | |
|-----------------------------------|--------------|-------------|--------------|---------------|-----------|--|-------------------------|------------|------------------------|----------|-----------|
| FLT ID: | 20201106H1 | FLT #: | | AC: | Rossi | Scientists: | Pressure | | Dropsondes | | |
| From: | KLAL | ETD: | 1300L | CP(s): | Doremus | Zaeislak, Jonathan | A/C Takeoff | | Good | Bad | Sent |
| To: | KLAL | ETA: | 2100L | | Keith | | | | 21 | 3 | 21 |
| Block Time | | Flight Time | | NAV: | Freeman | | ASOS Takeoff | | BTs | | |
| In: | 1:40 | Land: | 1:34 | FE(s): | Lalonde | | A/C Land | | Good | Bad | Sent |
| Out: | 17:49 | T/O: | 17:57 | FD(s): | Lundry | | | | 0 | 0 | 0 |
| Total: | 7.9 | Total: | 7.6 | SSA: | Richards | Visitors: | ASOS Land | | | | |
| Sponsoring Org: | | NWS / EMC | | AVAPS: | McAlister | | Storm Number ID: | | AL292020 | | |
| Program: | | PRX | | SEB: | | | (ie: AL072012) | | | | |
| Purpose: | | Eta TDR | | MX: | | | TCPOD/WSPOD Mission | | NOAA2 0829A ETA | | |
| | | | | | | | (ie: NOAA2 2418A SANDY) | | | | |
| AS REQUIRED BY ORM | | | | Y | N | REMARKS | Fix Number | Obs Number | Fix Time | SLP | |
| VOLCANIC ASH | | | | | X | | 1 | | | | |
| SCIENCE MISSION WITHIN BDRY LAYER | | | | | X | | | | | | |
| LACK OF PRECIPITATION | | | | | X | | 2 | | | | |
| RELATIVE HUMIDITY ≥ 80% | | | | X | | | | | | | |
| LARGE AIR-SEA TEMP GRADIENT | | | | | X | | 3 | | | | |
| HIGH SURFACE WINDS | | | | X | | | | | | | |
| LONG FETCH / DURATION OF SFC WND | | | | X | | | 4 | | | | |
| SEA SALT ACCRETION FORECAST | | | | | X | | | | | | |
| SEA SALT ACCRETION OBSERVED | | | | | x | | Pennies: | | | | |
| | | | | | | *Highlighted items must be completed before departure. | | | | | |
| Remarks: | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

P-3 QC Checklist

| | |
|--------------------|--|
| Overall Assessment | Minor instrument issue(s) - no mission impact. |
|--------------------|--|

| | |
|---------------------|--------------------|
| Flight ID: | 20201106H1 |
| Flight Director(s): | Lundry |
| Mission: | Tasked/Operational |
| UWZ.d mean: | 0.16 |

| Pressure Comparison | | |
|---------------------|--------|--------|
| | T/O | Land |
| Aircraft | 1013.6 | 1014.1 |
| Tower | 1011.9 | 1011.9 |

1757Z T/O

0134Z Land

| | Raw 1Hz Mean File Parameters | | | | C File Parameters | |
|----------------------|--|---|--|--|--|--|
| ✓ Accelerometer | ✓ AccAXI.1 ✓ AccAXI.2 ✓ AccAXI-GPS.1 ✓ AccAXI-GPS.2 | ✓ AccAYI.1 ✓ AccAYI.2 ✓ AccAYI-GPS.1 ✓ AccAYI-GPS.2 | ✓ AccAZI.1 ✓ AccAZI.2 ✓ AccAZI-GPS.1 ✓ AccAZI-GPS.2 | ✓ AccZfilter-GPS.1 ✓ AccZfilter-GPS.2 | ✓ AccZref | |
| ✓ Altitude | ✓ AltGPS.1 ✓ AltGPS.2 ✓ AltGPS.3 ✓ AltGPS.4 | ✓ AltI-GPS.1 ✓ AltI-GPS.2 | ✓ AltPaADDU.1 ✓ AltBCADDU.1 | ✓ AltRA.1 ✓ AltRA.2 | ✓ ALTref ✓ ALTPA.d ✓ ALTGA.d | ✓ AltRA1.c ✓ AltRA2.c |
| ✓ Ground Speed | ✓ GsXI-GPS.1 ✓ GsXI-GPS.2 | ✓ GsYI-GPS.1 ✓ GsYI-GPS.2 | ✓ GsZI-GPS.1 ✓ GsZI-GPS.2 | | ✓ GSXref ✓ GSYref ✓ GSZref | |
| ✓ Lat / Lon | ✓ LatGPS.1 ✓ LatGPS.2 ✓ LatGPS.3 ✓ LatGPS.4 | ✓ LatI-GPS.1 ✓ LatI-GPS.2 | ✓ LonGPS.1 ✓ LonGPS.2 ✓ LonGPS.3 ✓ LonGPS.4 | ✓ LonI-GPS.1 ✓ LonI-GPS.2 | ✓ LATref ✓ LONref | |
| ✓ Pressure | ✓ PDALPHA.1 <input type="checkbox"/> PDALPHA.2 ✓ PDBETA.1 <input type="checkbox"/> PDBETA.2 | ✓ PQALPHA.1 ✓ PQBETA.1 | ✓ PQM.1 ✓ PQM.2 ✓ PQM.3 ✓ PQM.4 | ✓ PSM.1 ✓ PSM.2 ✓ PTM.1 | ✓ PDLAPHaref ✓ PDBETAref ✓ PQALPHaref ✓ PQBETAref | ✓ PQMref ✓ PQ.c ✓ PSMref ✓ PS.c |
| ✓ Air Speed | ✓ CasADDU.1 | ✓ TasADDU.1 | ✓ IasADDU.1 | | ✓ IAS.d ✓ TAS.d | |
| ✓ Pitch / Roll | ✓ PitchI.1 ✓ PitchI.2 <input type="checkbox"/> PitchI.3 | ✓ PitchRateI.1 ✓ PitchRateI.2 <input type="checkbox"/> PitchRateI.3 | ✓ RollI.1 ✓ RollI.2 <input type="checkbox"/> RollI.3 | ✓ RollRateI.1 ✓ RollRateI.2 <input type="checkbox"/> RollRateI.3 | ✓ PITCHref ✓ ROLLref | |
| ✓ Temp / Dewpt | ✓ TTM.1 ✓ TTM.2 <input type="checkbox"/> TTM.3 | ✓ TDM.1 ✓ TDM.2 <input type="checkbox"/> TDM.3 | ✓ TRadD.1 ✓ TRadS.1 <input type="checkbox"/> TRadU.1 | | ✓ TD.c ✓ TDMref | ✓ TTMref ✓ TA.d |
| ✓ Misc. (Must check) | | | | | ✓ UWZ.d ✓ DPJ_WSZ ✓ HUM | ✓ WS.d ✓ WD.d |

| FLID_Mission_Documents.pdf: |
|--|
| ✓ Error Summary |
| ✓ Crew Manifest |
| ✓ QC Checklist |
| ✓ Dropwindsonde Log(s) - AVAPS and FD if completed |
| ✓ Flight Track |
| n/a Miscellaneous FD Notes |

| QC Key | |
|---------------|---------------------------------------|
| Not checked | <input type="checkbox"/> |
| Valid | <input checked="" type="checkbox"/> |
| Errors (note) | <input checked="" type="checkbox"/> X |

NOTES:

A few stray points unrepresentative of environment around 1.5 hours and 5.9 hours into flight on PQM.1 AND PQM.4. Not set as reference.
 Spike in TDM.1 unrepresentative of environment around 5.25 hours into flight. TDM.2 set at reference.
 PSM.2 closer to tower
 DPJ_WSZ trending higher than UWZ.d

NOAA P-3 GPS Dropwindsonde Scientist Log (revised March 2019)

Storm **AL29167A** Flight ID **20201106H1** Dropsonde Scientist **ZAWUSJKA** AVAPS Operator **MCAUSTE** Page# **1 of 3**
 Mission ID **0829A** (exp. 0213A) Dropsonde Scientist **ZAWUSJKA** AVAPS Operator **MCAUSTE**

Calibration
#1
N=5

| Drop # | Sonde ID | Time UTC | Lat (°N/S) | Long (°E/W) | Sfc Pressure (mb) | Wind closest to | | SST (°C) | Eye/Eyewall, Rainband, etc. | Ob # |
|--------|-----------|----------|------------|-------------|-------------------|------------------|---------|----------|----------------------------------|------|
| | | | | | | Dir/Spd (deg/kt) | Hgt (m) | | | |
| 1 | 203030521 | 184243 | 24.96 | 84.09 | 1012.2 | 073/21 | | | TRANSIT #1 | 1 |
| 2 | 208090992 | 191008 | 23.03 | 95.30 | 1008.9 | 091/23 | | | TRANSIT #2 | 2 |
| 3 | 202730092 | 194219 | 20.59 | 96.44 | 1006.8 | 093/20 | | | TRANSIT #3 | 3 |
| 4 | 202270696 | 200010 | 19.27 | 97.16 | 1005.5 | 113/12 | | | UP CELL NWS #1 PT 1 | 4 |
| 5 | 203040306 | 201334 | 18.27 | 97.17 | 1004.0 | 099/13 | | | 42 CELL NWS PT 2 | 5 |
| 6 | 202730096 | 202247 | 17.55 | 97.27 | — | —/— | | | N3 CELL NWS IN STRATOVAPE | 6 |
| 7 | 201520261 | 202017 | 17.75 | 97.24 | 1002.9 | 052/24 | | | 48 CELL NWS BACKUP IN STRATOVAPE | 7 |
| 8 | 202270691 | 202709 | 17.24 | 97.30 | 1003.4 | 040/17 | | | UP CELL NWS PT 3 | 8 |
| 9 | 202910332 | 203318 | 16.91 | 97.30 | 1002.3 | 353/18 | | | 48 CELL NWS IN STRATOVAPE | 9 |
| 10 | 203030961 | 204030 | 16.28 | 97.30 | 1002.9 | 347/21 | | | 47 CELL NWS PT 4 | 9 |

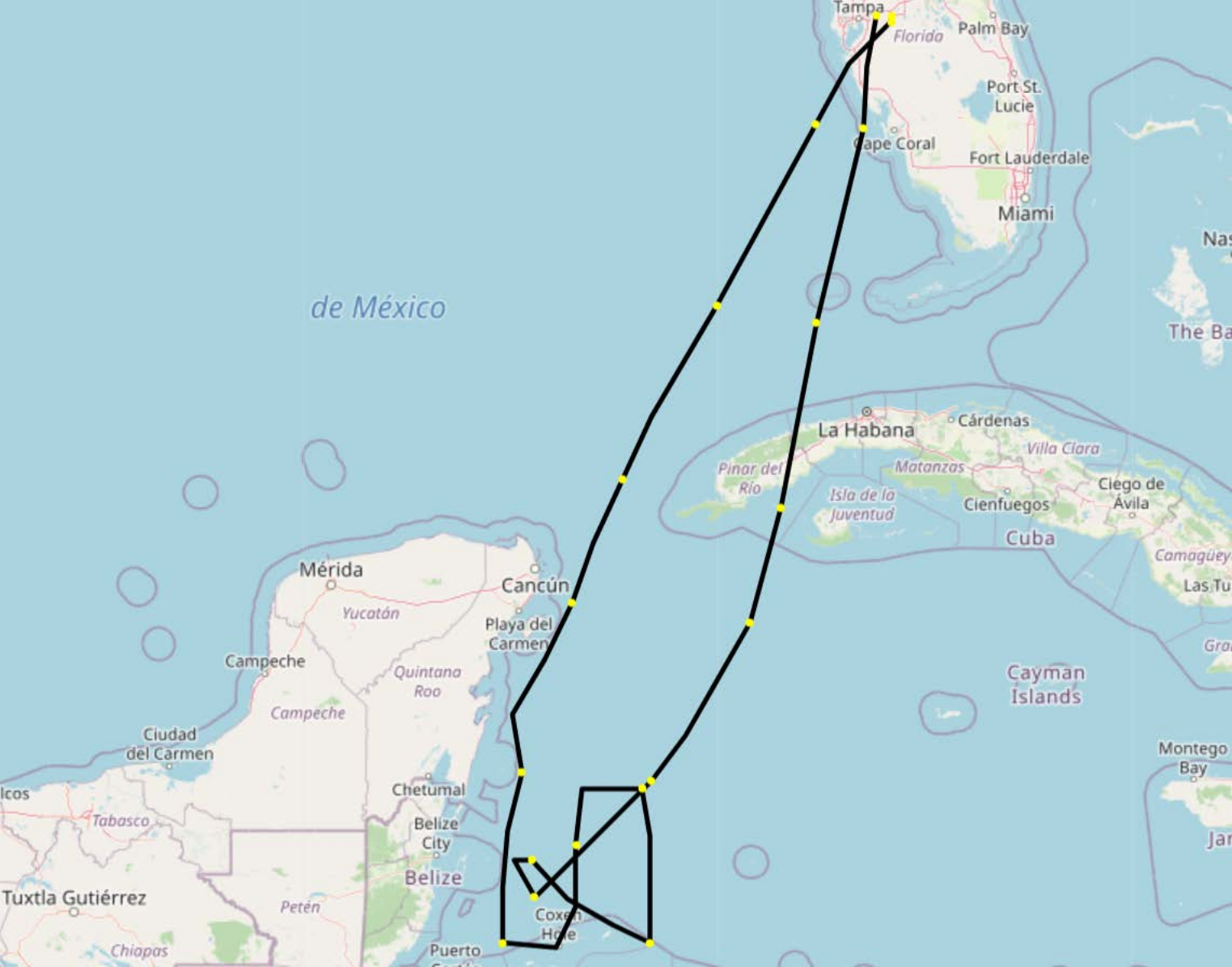
NOT RECORDED

NOAA P-3 GPS Dropwindsonde Scientist Log (revised March 2019)

Storm **AL29/ETA** Flight ID **20201106H1** Dropsonde Scientist **Zawisux** AVAPS Operator **McAUSTRA** Page# **3 of 3**
 Mission ID **0029A** (exp. 0213A) Dropsonde Scientist **Zawisux** AVAPS Operator

| Drop # | Sonde ID | Time UTC | Lat (°N/S) | Long (°E/W) | Sfc Pressure (mb) | Wind closest to | | SST (C) | Eye/Eyewall, Rainband, etc. | Ob # |
|---|-----------|----------|------------|-------------|-------------------|------------------|---------|---------|-----------------------------|------|
| | | | | | | Dir/Spd (deg/kt) | Hgt (m) | | | |
| 21 | 202730126 | 223450 | 17.69 | 97.16 | 1003.6 | 044 | 18 | | EP NW | 19 |
| Comments <i>POST-SONDE FUR</i> | | | | | | | | | | |
| 22 | 202730116 | 224133 | 16.96 | 86.97 | 1002.8 | 041 | 15 | | IP SW | 20 |
| Comments <i>POST-SONDE FUR</i> | | | | | | | | | | |
| 23 | 202270675 | 231856 | 18.43 | 85.31 | — | — | — | | EP NE | 21 |
| Comments <i>POST-SONDE, FOLLOW CIRCULAR WINDSHEAF, GO WTR, GO SW, WINDS TO DECREASE APOST T, WIND</i> | | | | | | | | | | |
| 24 | 201441184 | 231704 | 10.38 | 95.41 | 1003.8 | 092 | 125 | | EP NE BACKUP | 21 |
| Comments <i>POST REPORT</i> | | | | | | | | | | |
| Comments | | | | | | | | | | |
| Comments | | | | | | | | | | |
| Comments | | | | | | | | | | |
| Comments | | | | | | | | | | |
| Comments | | | | | | | | | | |

POST REPORT



de México

Tampa

Florida

Palm Bay

Port St. Lucie

Fort Lauderdale

Miami

Cape Coral

La Habana

Cárdenas

Villa Clara

Ciego de Ávila

Matanzas

Pinar del Río

Isla de la Juventud

Cuba

Cayman Islands

Montego Bay

Cozumel

Belize City

Belize

Chetumal

Campeche

Ciudad del Carmen

Mérida

Cancún

Playa del Carmen

Quintana Roo

Yucatán

Tabasco

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Chiapas

Petén

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