

U.S. Department of Commerce / NOAA / OMAO / Aircraft Operations Center - N43RF Manifest

| FLIGHT INFORMATION | | | | CREW MANIFEST | | | MISSION INFORMATION | | | | |
|-----------------------------------|------------|-------------|-------|---------------|---------|---|-------------------------|------------|---------------------|-----|----------|
| FLT ID: | 2021092711 | FLT #: | 1 | AC: | Didier | Scientists: | Pressure | | Dropsondes | | |
| From: | TISX | ETD: | 1200Z | CP(s): | Copare | P Chang | A/C Takeoff | | Good | Bad | Sent |
| To: | TISX | ETA: | 1800Z | | Doremus | Z Jelenak | | | ASOS Takeoff | | 19 |
| Block Time | | Flight Time | | NAV: | Freeman | J Sapp | ASOS Land | | | | BTs |
| In: | 1815 | Land: | 1812 | FE(s): | Darby | G Alaka | | | A/C Land | | Good |
| Out: | 1032 | T/O: | 1139 | FD(s): | Stokes | H Holbach | ASOS Land | | | | 4 |
| Total: | 06.7 | Total: | 06.6 | SSA: | Mascaro | Visitors: | | | Storm Number ID: | | AL182021 |
| Sponsoring Org: | | AOC | | | AVAPS: | Warnecke | (ie: AL072012) | | AL182021 | | |
| Program: | | PRX | | | SEB: | | TCPOD/WSPOD Mission | | 03/84 | | |
| Purpose: | | SAM | | | MX: | | (ie: NOAA2 2418A SANDY) | | 03/84 | | |
| AS REQUIRED BY ORM | | | | Y | N | REMARKS | Fix Number | Obs Number | Fix Time | SLP | |
| VOLCANIC ASH | | | | | X | | 1 | 1 | | 967 | |
| SCIENCE MISSION WITHIN BDRY LAYER | | | | | X | | 2 | 2 | | 965 | |
| LACK OF PRECIPITATION | | | | | X | 2X Hurricane Pennies | 3 | | | | |
| RELATIVE HUMIDITY ≥ 80% | | | | | X | | 4 | | | | |
| LARGE AIR-SEA TEMP GRADIENT | | | | | X | 19 sondes: 14 nws 3 = 19 5 ovr 3 = 19 | | | | | |
| HIGH SURFACE WINDS | | | | | X | | Pennies: | | | | |
| LONG FETCH / DURATION OF SFC WND | | | | | X | | | | | | |
| SEA SALT ACCRETION FORECAST | | | | | X | | | | | | |
| SEA SALT ACCRETION OBSERVED | | | | | X | | | | | | |

*Highlighted items must be completed before departure.

Remarks:

P-3 QC Checklist

| | |
|---------------------------|-------------------|
| Flight ID: | 20210927I1 |
| Flight Director(s) | Holmes |
| UWZ.d mean: | -0.09 |

| Pressure Comparison | | |
|---------------------|---------------|---------------|
| | T/O | Land |
| Aircraft | 1015.2 | -- |
| Tower | 1013.1 | 1011.4 |

| | 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 x 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 x LatGPS.4 | ✓ LatI-GPS.1 ✓ LatI-GPS.2 | ✓ LonGPS.1 ✓ LonGPS.2 ✓ LonGPS.3 x LonGPS.4 | ✓ LonI-GPS.1 ✓ LonI-GPS.2 | ✓ LATref ✓ LONref | |
| ✓ Pressure | ✓ PDALPHA.1 ✓ PDALPHA.2 ✓ PDBETA.1 ✓ 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 PitchI.3 | ✓ PitchRateI.1 ✓ PitchRateI.2 PitchRateI.3 | ✓ RolLI.1 ✓ RolLI.2 RolLI.3 | ✓ RollRateI.1 ✓ RollRateI.2 RollRateI.3 | ✓ PITCHref ✓ ROLLref | |
| ✓ Temp / Dewpt | ✓ TTM.1 ✓ TTM.2 TTM.3 | ✓ TDM.1 ✓ TDM.2 TDM.3 | ✓ TRadD.1 ✓ TRadS.1 x 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 |
| ✓ Miscellaneous FD Notes |

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

NOTES:

Data system shut down before landing, no landing pressure available

Data system restart for 13 minutes in route @ 12:43 to 12:56

Alt, Lat, and Lon GPS.4 inop

TRadU.1 inop/not used

AVAPS Drop Log

Project: Hure 21

Mission: SAM

Flight ID: 20210927II

Take Off: 1136Z

Landing: _____

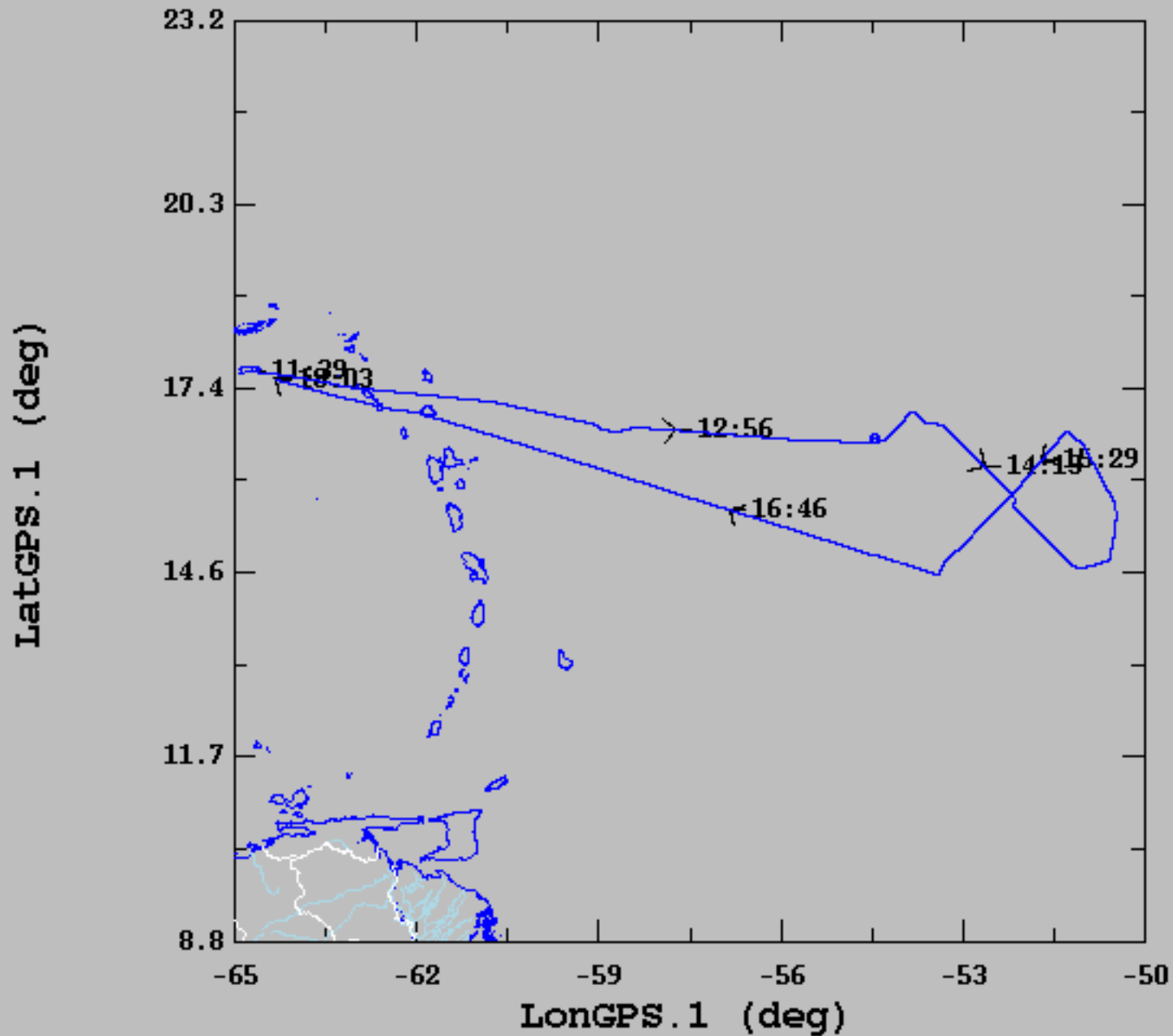
Flt Dir: Holmes

Launcher S/N: _____

| Drop # | Sonde Serial # | Rcvr # | Press Offset | Launch Time | Operator | Charge \$\$ To | Comments | Good ? |
|--------|----------------|--------|--------------|-------------|----------|----------------|-----------|--------|
| 1 | 210440143 | 1 | Ø | 1405 | JW | NWS | Ⓢ IP #1 | ✓ |
| 2 | 212250272 | 2 | Ø | 1417 | | NWS | MP #1 | ✓ |
| 3 | 210520212 | 3 | Ø | 1422 | | ONR | RMW 1-1 | ✓ |
| 4 | 212750190 | 4 | Ø | 1423 | | ONR | RMW 2-1 | ✓ |
| 5 | 210540329 | 5 | Ø | 1423 | | NWS | RMW 3-1 | ✓ |
| 6 | 210540417 | 6 | Ø | 1425 | | NWS | CTR 1 | ✓ |
| 7 | 210420791 | 7 | Ø | 1428 | | NWS | RMW 1-2 | ✓ |
| 8 | 210731056 | 8 | Ø | 1436 | | NWS | MP #2 | ✓ |
| 9 | 210520218 | 1 | Ø | 1447 | | NWS | Ⓢ EP #1 | ✓ |
| 10 | 210710339 | 2 | -A | 1520 | | NWS | Ⓢ IP #2 | |
| 11 | 210540634 | 3 | Ø | 1532 | | NWS | MP #3 | |
| 12 | 210520219 | 4 | Ø | 1539 | | ONR | RMW 4-1-2 | |
| 13 | 210420745 | 5 | Ø | 1539 | | NWS | RMW 2-2 | |
| 14 | 210540214 | 6 | Ø | 1539 | | ONR | RMW 3-2 | |
| 15 | 210731090 | 7 | Ø | 1541 | | NWS | Ⓢ CTR 2 | |
| 16 | 210520142 | 8 | Ø | 1543 | | ONR | RMW 1-3 | |
| 17 | 210420750 | 1 | Ø | 1544 | | NWS | RMW 1-3 | |
| 18 | 210850527 | 2 | Ø | 1554 | | NWS | MP | |
| 19 | 210520233 | 3 | Ø | 1604 | | NWS | Ⓢ EP #2 | |
| 20 | | | | | | | | |
| 21 | | | | | | | | |
| 22 | | | | | | | | |
| 23 | | | | | | | | |
| 24 | | | | | | | | |
| 25 | | | | | | | | |
| 26 | | | | | | | | |
| 27 | | | | | | | | |
| 28 | | | | | | | | |
| 29 | | | | | | | | |
| 30 | | | | | | | | |
| 31 | | | | | | | | |

2 of 12 RMW = ONR
 4 of 12 RMW = NWS
 All else = NWS

2021-09-27, 11:39:42-18:03:17



| | mean | sigma | min | max |
|---------------------------|--------|-------|--------|--------|
| — LatGPS.1 (deg), 1 s/sec | 16.28 | 0.89 | 14.53 | 17.70 |
| — LonGPS.1 (deg), 1 s/sec | -56.36 | 4.25 | -64.75 | -50.46 |
| — LatGPS.1 (deg), 1 s/sec | 16.28 | 0.89 | 14.53 | 17.70 |
| — LonGPS.1 (deg), 1 s/sec | -56.36 | 4.25 | -64.75 | -50.46 |