

N42RF ERROR SUMMARY
20210926H1

Flight ID: 20210926H1

| 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/2021/MET/20210926H1

| Local Met Data | Takeoff TISX (1942Z) | Landing TISX (2810Z) |
|-----------------------|----------------------|----------------------|
| Dynamic Corrections | | Yes |
| AttackAngleIntercept | | 2.307 |
| AttackAngleSlope | | 6.07515 |
| SlipAngleIntercept | | 0.237 |
| SlipAngleSlope | | 7.04607 |
| AttackAngleIntercept2 | | 2.06219 |
| AttackAngleSlope2 | | 5.99068 |
| SlipAngleIntercept2 | | 0.125 |
| SlipAngleSlope2 | | 6.9873 |

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.

| Expendable Type ----- | # deployed ----- | # good ----- | # transmitted ----- |
|--------------------------|---------------------|-----------------|------------------------|
| Dropsondes | 34 | 34 | 34 |
| Test sondes | 0 | 0 | 0 |
| AXBTS | 7 | 7 | 0 |
| AXCPs | 0 | 0 | 0 |
| AXCTDs | 0 | 0 | 0 |
| UAS | 0 | 0 | 0 |

Flight Director: Hathaway
Phone #: 863-500-3911

ACAT-4 Version = 7.4

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

| FLIGHT INFORMATION | | | | CREW MANIFEST | | | MISSION INFORMATION | | | | |
|--|--------------|------------------------|--------------|---------------|--------------|-------------|-------------------------|------------|------------------|----------|-----------|
| FLT ID: | 20210926H1 | FLT #: | 3 | AC: | Legidakes | Scientists: | Pressure | | Dropsondes | | |
| From: | TISX | ETD: | 2000 | CP(s): | Keith | Bucci | A/C Takeoff | | Good | Bad | Sent |
| To: | TISX | ETA: | 400 | | Rannenberg | Zhang | | | 34 | 0 | 34 |
| Block Time | | Flight Time | | NAV: | Utama | Hough | ASOS Takeoff | | BTs | | |
| In: | 4:18 | Land: | 4:14 | FE(s): | Sanchez | | | | A/C Land | | Good |
| Out: | 19:35 | T/O: | 19:42 | FD(s): | Hathaway | | ASOS Land | | 7 | 0 | 0 |
| Total: | 8.7 | Total: | 8.5 | SSA: | Richards, T. | Visitors: | | | | | |
| Sponsoring Org: | | HRD | | AVAPS: | McAlister | | Storm Number ID: | | AL182021 | | |
| Program: | | PRX | | SEB: | | | (ie: AL072012) | | | | |
| Purpose: | | Sam Research Flight #2 | | MX: | | | TCPOD/WSPOD Mission | | 0218A SAM | | |
| | | | | | | | (ie: NOAA2 2418A SANDY) | | | | |
| AS REQUIRED BY ORM | | | | Y | N | REMAR | Fix Number | Obs Number | Fix Time | SLP | |
| VOLCANIC ASH | | | | | X | | 1 | | | | |
| SCIENCE MISSION WITHIN BDRY LAYER | | | | | X | | 2 | | | | |
| LACK OF PRECIPITATION | | | | | X | | 3 | | | | |
| RELATIVE HUMIDITY ≥ 80% | | | | X | | | 4 | | | | |
| 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 | | | | | | | | | | | |
| | | | | | | | Pennies: | 3 | | | |
| *Highlighted items must be completed before departure. | | | | | | | | | | | |
| Remarks: | | | | | | | | | | | |
| | | | | | | | | | | | |

P-3 QC Checklist

| | |
|--------------------|---|
| Overall Assessment | Minor instrument issue(s) - minimal mission impact. |
|--------------------|---|

| | | | |
|---------------------|--------------------|---------------------|------------------|
| Flight ID: | 20210926H1 | Pressure Comparison | |
| Flight Director(s): | Hathaway | | T/O |
| Mission: | Tasked/Operational | Aircraft | 1011.3 mb |
| UWZ.d mean: | 0.12 | Tower | TISX - 1010.9 mb |
| | | | Land |
| | | | N/A |
| | | | TISX - 1012.6 mb |

| | 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 ✓ PDALPHA.2 ✓ PDBETA.1 ✓ PDBETA.2 | ✓ PQALPHA.1 ✓ PQBETA.1 | ✓ PQM.1 ✓ PQM.2 ✓ PQM.3 ✓ PQM.4 | ✓ PSM.1 ✓ PSM.2 ✓ PTM.1 | ✓ PDALPHAref ✓ 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 | ✓ PitchRatel.1 ✓ PitchRatel.2 <input type="checkbox"/> PitchRatel.3 | ✓ RollI.1 ✓ RollI.2 <input type="checkbox"/> RollI.3 | ✓ RollRatel.1 ✓ RollRatel.2 <input type="checkbox"/> RollRatel.3 | ✓ PITCHref ✓ ROLLref | |
| ✓ Temp / Dewpt | ✓ TTM.1 ✓ TTM.2 <input style="background-color: #f8d7da;" 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 |
| ✓ Miscellaneous FD Notes |

| QC Key | |
|---------------|---|
| Not checked | <input type="checkbox"/> |
| Valid | <input checked="" type="checkbox"/> |
| Errors (note) | <input style="background-color: #f8d7da;" type="checkbox"/> X |

| NOTES: |
|---|
| - TDM.1 appears more sensitive especially during transit to and from the storm environment. |

Dropsonde Scientist

Flight ID 20210926HI Storm Sam Mission ID 0218A

Dropsonde Scientists Jun Zhang

AVAPS Operators Mu

The Lead Project Scientist (LPS) on the P3 is responsible for determining the distribution patterns for dropwindsonde releases. Predetermined desired data collection patterns are illustrated on the flight patterns. However, these patterns are often altered because of clearance problems, etc. Operational procedures are contained in the operator's manual. On the G-IV the sole HRD person is designated the LPS. The following list contains more general supplementary procedures to be followed. (Check off or initial.)

Preflight

1. Determine the status of the AVAPS and workstation. Report results to the LPS.
2. Confirm the mission and pattern selection with the LPS and assure that enough dropsondes are on board the aircraft.
3. Modify the flight pattern or drop locations if requested by AOC to accommodate changes in storm location or closeness to land.
4. Complete the appropriate preflight set-up and checklists.

In-Flight

1. Operate the system as specified in the operator's manual.
2. Ensure the AOC flight director is aware of upcoming drops.
3. Ensure the AVAPS operator has determined that the dropsonde is (or is not) transmitting a good signal. Recommend if a backup dropsonde should be launched in case of failure.
4. Report the transmission of each drop and fill in the Dropwindsonde Scientist Log.

Post flight

1. Complete Dropwindsonde Scientist Log.
2. Download all raw and processed AVAPS files to thumbdrive
3. Brief the LPS on equipment status and turn in completed forms and thumbdrive.
4. Debrief at the base of operations.
5. Determine the status of future missions and notify Field Program Director as to where you can be contacted.

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

Storm *Scum* Flight ID *20210926 H1* Dropsonde Scientist *Jun Zhang* AVAPS Operator *Mac*
 Mission ID *0218A* (exp. 0213A) WMO *5148* Dropsonde Scientist *Mac* AVAPS Operator *Mac*

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| 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) | | | |
| <i>1</i> ✓ | <i>-20374</i> | <i>2215</i> | <i>14.433</i> | <i>52.048</i> | <i>1012</i> | <i>03023</i> | <i>10</i> | <i>28.4</i> | | <i>1</i> |
| Comments <i>W-IP COMBO BT</i> | | | | | | | | | | |
| <i>2</i> ✓ | <i>-30335</i> | <i>2226</i> | <i>14.432</i> | <i>51.316</i> | <i>1005</i> | <i>00540</i> | <i>10</i> | | | <i>2</i> |
| Comments <i>W-Mid</i> | | | | | | | | | | |
| <i>3</i> ✓ | <i>-40785</i> | <i>223514</i> | <i>14.428</i> | <i>50.706</i> | <i>977</i> | <i>31099</i> | <i>10</i> | | | <i>3</i> |
| Comments <i>W-RMW 1</i> | | | | | | | | | | |
| <i>4</i> ✓ | <i>30475</i> | <i>223555</i> | <i>14.427</i> | <i>50.665</i> | <i>964</i> | <i>30098</i> | <i>10</i> | | | <i>4</i> |
| Comments <i>W-RMW 2</i> | | | | | | | | | | |
| <i>5</i> ✓ | <i>30477</i> | <i>2236</i> | <i>14.428</i> | <i>50.617</i> | <i>994</i> | <i>24069</i> | <i>10</i> | | | <i>5</i> |
| Comments <i>W-RMW 3</i> | | | | | | | | | | |
| <i>6</i> ✓ | <i>50060</i> | <i>2237</i> | <i>14.428</i> | <i>50.545</i> | <i>932</i> | <i>12031</i> | <i>10</i> | | | <i>6</i> |
| Comments <i>Center</i> | | | | | | | | | | |
| <i>7</i> ✓ | <i>50427</i> | <i>2238</i> | <i>14.427</i> | <i>50.454</i> | <i>960</i> | <i>02117</i> | <i>10</i> | | | <i>7</i> |
| Comments <i>E-RMW 1</i> | | | | | | | | | | |
| <i>8</i> ✓ | <i>50429</i> | <i>223917</i> | <i>14.428</i> | <i>50.421</i> | <i>963</i> | <i>06027</i> | <i>10</i> | | | <i>8</i> |
| Comments <i>E-RMW 2</i> | | | | | | | | | | |
| <i>9</i> ✓ | <i>20411</i> | <i>223924</i> | <i>14.428</i> | <i>50.413</i> | <i>984</i> | <i>07111</i> | <i>10</i> | | | <i>9</i> |
| Comments <i>E-RMW 3</i> | | | | | | | | | | |
| <i>10</i> ✓ | <i>20376</i> | <i>2249</i> | <i>14.426</i> | <i>49.735</i> | <i>1004</i> | <i>13051</i> | <i>10</i> | | | <i>10</i> |
| Comments <i>E-Mid PT</i> | | | | | | | | | | |

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6
 1
 2
 6
 (AW) module int 6

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

Storm **SAM**
 Mission ID **021874**
 Flight ID **20210926H1**
 (exp. 0213A)

Dropsonde Scientist **Jun Zhang**
 Dropsonde Scientist **Jun Zhang**
 VAPAS Operator
 VAPAS Operator

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| 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) | | | |
| 11 ✓ | 50430 | 2259 | 14.248 | 48.99 | 1010 | 11534 | 10 | | | 11 |
| Comments E-End Combo | | | | | | | | | | |
| 12 ✓ | 30331 | 2329 | 15.802 | 49.91 | 1010 | 09531 | 10 | | | 12 |
| Comments NE-IP | | | | | | | | | | |
| 13 ✓ | 11158 | 2339 | 15.169 | 50.298 | 1007 | 07053 | 10 | | | 13 |
| Comments NE-MTD | | | | | | | | | | |
| 14 ✓ | 30525 | 2347 | 14.704 | 50.539 | 987 | 05587 | 10 | | | 14 |
| Comments NE-RMW1 | | | | | | | | | | |
| 15 ✓ | 20390 | 2350 | 14.854 | 50.611 | 956 | 00615 | 10 | | | 15 |
| Comments NE-RMW2 | | | | | | | | | | |
| 16 ✓ | 20375 | 2349 | 14.567 | 50.604 | 958 | 01605 | 10 | | | 16 |
| Comments NE-RMW3 | | | | | | | | | | |
| 17 ✓ | 11546 | 2351 | 14.493 | 50.648 | 943 | 05523 | 10 | | | 17 |
| Comments CENTER | | | | | | | | | | |
| 18 ✓ | 50530 | 2352 | 14.405 | 50.704 | 963 | 23015 | 10 | | | 18 |
| Comments SW-RMW1 | | | | | | | | | | |
| 19 ✓ | 30509 | 2353 | 14.387 | 50.715 | 968 | 22089 | 10 | | | 19 |
| Comments SW-RMW2 | | | | | | | | | | |
| 20 ✓ | 20544 | 2354 | 14.367 | 50.728 | 976 | 235188 | 10 | | | 20 |
| Comments SW-RMW3 | | | | | | | | | | |

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

Storm **SAM** Flight ID **20210926H1** Dropsonde Scientist **J. Zhang** AVAPS Operator **Mie**
 Mission ID **0218A** (exp. 0213A) Dropsonde Scientist **J. Zhang** AVAPS Operator **Mie**

| Drop # | Sonde ID | Time UTC | Lat (°N/S) | Long (°E/W) | Sfc Pressure (mb) | Wind closest to | | SST (°C) | Eye/Ewall, Rainband, etc. | Ob # |
|----------|------------|----------|------------|-------------|-------------------|------------------|----------|----------|---------------------------|------|
| | | | | | | Dir/Spd (deg/kt) | Hght (m) | | | |
| 21 ✓ | 11154 | 0003 | 13.819 | 51.068 | 1008 | 28531 | | 10 | | 21 |
| Comments | SW - mtd | | | | | | | | | |
| 22 ✓ | 40141 | 0013 | 13.203 | 51.445 | 1011 | 27518 | | 10 | | 22 |
| Comments | SW - End | | | | | | | | | |
| 23 ✓ | 20388 | 0036 | 13.285 | 49.983 | 1010 | 20527 | | 10 | | 23 |
| Comments | SE - IP | | | | | | | | | |
| 24 ✓ | 20389 | 0047 | 13.955 | 50.342 | 1006 | 21537 | | 10 | | 24 |
| Comments | SE - mtd | | | | | | | | | |
| 25 ✓ | 30344 | 0053 | 14.333 | 50.526 | 992 | 18560 | | 10 | | 25 |
| Comments | SE - RNMW1 | | | | | | | | | |
| 26 ✓ | 20421 | 0055 | 14.516 | 50.625 | 965 | 10607 | | 10 | | 26 |
| Comments | SE - RNMW2 | | | | | | | | | |
| 27 ✓ | 11156 | 0056 | 14.525 | 50.631 | 962 | 10128 | | 10 | | 27 |
| Comments | SE - RNMW3 | | | | | | | | | |
| 28 ✓ | 11155 | 0057 | 14.621 | 50.725 | 947 | 07836 | | 10 | | 28 |
| Comments | CENTER | | | | | | | | | |
| 29 ✓ | 30493 | 0058 | 14.678 | 50.789 | 972 | 35111 | | 10 | | 29 |
| Comments | NW - RNMW1 | | | | | | | | | |
| 30 ✓ | 20388 | 0059 | 14.684 | 50.801 | 975 | 00106 | | 10 | | 30 |
| Comments | NW - RNMW2 | | | | | | | | | |

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page #3

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

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Storm SAM Flight ID 20240926H1 Dropsonde Scientist J. Zhai AVAPS Operator
 Mission ID 02484 (exp. 0213A) Dropsonde Scientist 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) | | | |
| 31 ✓ | 33240 | 015910 | 14.695 | 50.808 | 976 | 01080 | 10 | | | 31 |
| Comments | NW-RNW3 | | | | | | | | | 32 |
| 32 ✓ | 33241 | 0103 | 74.909 | 51.044 | 1001 | 01555 | 10 | | | 32 |
| Comments | NW-MTD | | | | | | | | | 33 |
| 33 | 1128A | 0111 | 15.302 | 51.287 | 1011 | 05541 | 10 | | | 33 |
| Comments | NW - Znd. (Sond) | | | | | | | | | 34 |
| 34 | 20369 | 0119 | 15.652 | 51.878 | 1014 | 05028 | 10 | | | 34 |
| Comments | Low drop - 6W module - final report. | | | | | | | | | |
| Comments | | | | | | | | | | |
| Comments | | | | | | | | | | |
| Comments | | | | | | | | | | |
| Comments | | | | | | | | | | |

20240926H1

page #4

AVAPS Drop Log

Project: 2021 HWX Season

Mission: Hurricane Sam

Flight ID: 20210926H1

Take Off: 2000Z

Landing: _____

Flt Dir: Pathway

Lundy

Launcher S/N: 1

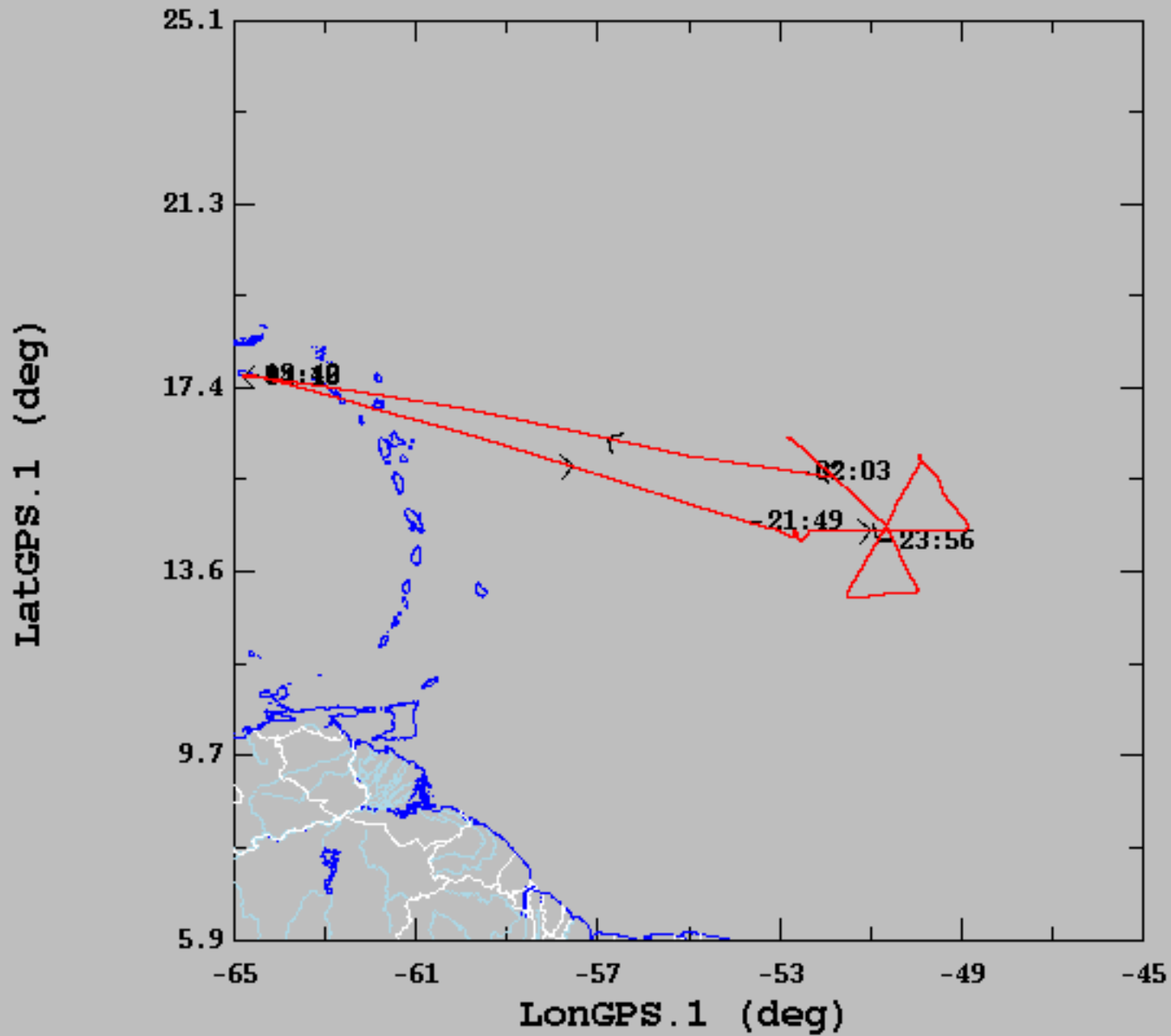
1st
Pass

2nd
Pass

3rd
Pass

| Drop # | Sonde Serial # | Rcvr # | Press Offset | Launch Time | Operator | Charge \$\$ To | Comments | Good ? |
|--------|----------------|--------|--------------|-------------|----------|----------------|------------------|--------|
| 1 | 212720374 | 1 | Ø | 2215 | MAC | NWS | IP1 Combo | |
| 2 | 212730335 | 2 | +0.3 | 2226 | | NWS | MID PT 1 | |
| 3 | 203240785 | 3 | -0.3 | 2235 | | NWS | 1st IN RMW.1 | |
| 4 | 210430475 | 4 | -0.3 | 2235 | | ONR | 1st IN RMW.2 | |
| 5 | 210430477 | 5 | -0.3 | 2236 | | ONR | 1st IN RMW.3 | |
| 6 | 203250060 | 6 | -0.2 | 2237 | | NWS | 1st CTR COMBO | |
| 7 | 212750427 | 7 | +0.2 | 2238 | | NWS | 1st OUT RMW.1 | |
| 8 | 212750429 | 8 | Ø | 2239 | | ONR | 1st OUT RMW.2 | |
| 9 | 212720411 | 1 | Ø | 2239 | | ONR | 1st OUT RMW.3 | |
| 10 | 212720376 | 2 | Ø | 2249 | | NWS | 1st MID OUT | |
| 11 | 212750430 | 3 | Ø | 2259 | | NWS | 1st END PT COMBO | |
| 12 | 212730331 | 4 | Ø | 2329 | | NWS | IP2 COMBO | |
| 13 | 212011158 | 5 | Ø | 2339 | | NWS | 2nd MID IN | |
| 14 | 212730525 | 6 | Ø | 2347 | | NWS | 2nd IN RMW.1 | |
| 15 | 212720390 | 7 | -0.1 | 2350 | | ONR | 2nd IN RMW.2 | |
| 16 | 212720375 | 8 | Ø | 2349 | | ONR | 2nd IN RMW.3 | |
| 17 | 212011546 | 1 | Ø | 2351 | | NWS | 2nd CTR | |
| 18 | 211850539 | 2 | Ø | 2352 | | NWS | 2nd OUT RMW.1 | |
| 19 | 212730527 | 3 | Ø | 2353 | | ONR | 2nd OUT RMW.2 | |
| 20 | 212720414 | 4 | Ø | 2353 | | ONR | 2nd OUT RMW.3 | |
| 21 | 212011154 | 5 | Ø | 0003 | | NWS | 2nd MID OUT | |
| 22 | 210440141 | 6 | -0.5 | 0013 | | NWS | END PT 2 COMBO | |
| 23 | 212720388 | 7 | -0.1 | 0036 | | NWS | IP3 COMBO | |
| 24 | 212720389 | 8 | -0.2 | 0047 | | NWS | 3rd MID IN | |
| 25 | 212730344 | 1 | Ø | 0053 | | NWS | 3rd IN RMW.1 | |
| 26 | 212720421 | 2 | Ø | 0055 | | ONR | 3rd IN RMW.2 | |
| 27 | 212011156 | 3 | Ø | 0056 | | ONR | 3rd IN RMW.3 | |
| 28 | 212011155 | 4 | Ø | 0057 | | NWS | 3rd CTR | |
| 29 | 212730493 | 5 | -0.1 | 0058 | | NWS | 3rd OUT RMW.1 | |
| 30 | 212720385 | 6 | Ø | 0059 | | ONR | 3rd OUT RMW.2 | |
| 31 | 212730340 | 7 | Ø | 0059 | | ONR | 3rd OUT RMW.3 | |
| 32 | 212730341 | 8 | +0.3 | 0103 | | ONR | 3rd OUT RMW.4 | |
| 33 | 212011255 | 1 | Ø | 0111 | | NWS | 3rd MID OUT | |
| 34 | 212720349 | 2 | Ø | 0119 | MAC | NWS | 3rd END PT COMBO | |

2021-09-26, 19:42:17-28:10:29



| | mean | sigma | min | max |
|---------------------------|--------|-------|--------|--------|
| — LatGPS.1 (deg), 1 s/sec | 15.60 | 1.25 | 13.02 | 17.70 |
| — LonGPS.1 (deg), 1 s/sec | -55.09 | 4.79 | -64.81 | -48.84 |