

N49RF ERROR SUMMARY  
Atmospheric Rivers 2022 IOP-10

Flight ID: 20220223N1

| 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.1          |
| Vertical Accelerometer               | AccZI.1        |
| Altimeter                            | AltGPS.3       |
| INE Selection                        | 1              |
| Differential Attack Pressure Probe   | PDALPHA.2      |
| Differential Sideslip Pressure Probe | PDBETA.2       |
| Dynamic Attack Pressure Probe        | PQALPHA.2      |
| Dynamic Sideslip Pressure Probe      | PQBETA.2       |

Flight Directory acdata/2022/MET/20220223N1

| Local Met Data        | Takeoff PHNL (1837Z) | Landing (0228Z) |
|-----------------------|----------------------|-----------------|
| Dynamic Corrections   |                      | Yes             |
| AttackAngleIntercept  |                      | 3.97801         |
| AttackAngleSlope      |                      | 3.86172         |
| SlipAngleIntercept    |                      | 1.258           |
| SlipAngleSlope        |                      | 6.69941         |
| AttackAngleIntercept2 |                      | 5.01255         |
| AttackAngleSlope2     |                      | 5.40932         |
| SlipAngleIntercept2   |                      | 0.72            |
| SlipAngleSlope2       |                      | 7.0494          |

Notes:

TDM.1 and TDM.2 are unrepresentative. Consider all flight level humidity to be suspect.

TTM.3 displays oscillations of multiple periods superimposed on each other and should not be used

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      | 30         | 30     | 30            |
| Test sondes     | 0          | 0      | 0             |
| AXBTs           | 0          | 0      | 0             |
| AXCPs           | 0          | 0      | 0             |
| AXCTDs          | 0          | 0      | 0             |
| UAS             | 0          | 0      | 0             |

Flight Director: Kalen / Henning  
Phone #: (863) 500-3982

ACAT-4 Version = 7.3

# U.S. Department of Commerce / NOAA / OMAO / Aircraft Operations Center - N49RF Manifest

| FLIGHT INFORMATION                |                    |             |       | CREW MANIFEST |                  |             | MISSION INFORMATION     |            |                   |     |      |
|-----------------------------------|--------------------|-------------|-------|---------------|------------------|-------------|-------------------------|------------|-------------------|-----|------|
| FLT ID:                           | 20220223N1         | FLT #:      |       | AC:           | Nardi            | Scientists: | Pressure                |            | Dropsondes        |     |      |
| From:                             | PHNL               | ETD:        | 1945Z | CP(s):        | de Triquet       |             | A/C Takeoff             |            | Good              | Bad | Sent |
| To:                               | PHNL               | ETA:        | 0215Z |               |                  |             |                         |            | 30                | 0   | 30   |
| Block Time                        |                    | Flight Time |       | NAV:          |                  |             | ASOS Takeoff            |            | BTs               |     |      |
| In:                               | 0235Z              | Land:       | 0228Z | FE(s):        |                  |             | A/C Land                |            | Good              | Bad | Sent |
| Out:                              | 1820Z              | T/O:        | 1837Z | FD(s):        | Kalen<br>Henning |             | ASOS Land               |            |                   |     |      |
| Total:                            | 8.3                | Total:      | 7.9   | SSA:          | Deleo            | Visitors:   | Storm Number ID:        |            |                   |     |      |
| Sponsoring Org:                   | PAR                |             |       | AVAPS:        | Patel            |             | (ie: AL072012)          |            |                   |     |      |
| Program:                          |                    |             |       | SEB:          |                  |             | TCP00/WSP00 Mission     |            | NOAA9 05WSC 10P11 |     |      |
| Purpose:                          | Atmospheric Rivers |             |       | MX:           |                  |             | (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:

## G-IV QC Checklist

|                           |                        |
|---------------------------|------------------------|
| <b>Flight ID:</b>         | <b>20220223N1</b>      |
| <b>Flight Director(s)</b> | <b>Henning / Kalen</b> |
| <b>UWZ.d mean:</b>        | <b>-0.02</b>           |

| Pressure Comparison |               |               |
|---------------------|---------------|---------------|
|                     | <b>T/O</b>    | <b>Land</b>   |
| <b>Aircraft</b>     | <b>1019.3</b> | <b>1017.0</b> |
| <b>Tower</b>        | <b>1019.0</b> | <b>1017.0</b> |

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

| FLID_Mission_Documents.pdf:         |                                                  |
|-------------------------------------|--------------------------------------------------|
| <input checked="" type="checkbox"/> | Error Summary                                    |
| <input checked="" type="checkbox"/> | Crew Manifest                                    |
| <input checked="" type="checkbox"/> | QC Checklist                                     |
| <input checked="" type="checkbox"/> | Dropwindsonde Log(s) - AVAPS and FD if completed |
| <input checked="" type="checkbox"/> | Flight Track                                     |
| <input checked="" type="checkbox"/> | Miscellaneous FD Notes                           |

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

### NOTES:

TDM.1 and TDM.2 are unrepresentative. Consider all flight level humidity to be suspect.  
 TTM.3 displays oscillations of multiple periods superimposed on each other and should not be used  
 There were no edits made in the measured parameters used to calculate meteorological and navigational parameters.  
 Takeoff/Landing data: Data during landing and takeoff should be considered suspect  
 It is recommended that data collected on the ground not be used for scientific analysis.

## AOC GPS Dropwindsonde Log (updated Mar 2019)

Flight ID: 20220223N1 ASPEN Operator/Flight Director(s): KALEN / HENNINGMission ID: 05WSC 10P11 Storm Name/Track: ATMOSPHERIC RIVERS PG 1 of 1

| Sonde # | Ob # | Launch Time HHMMSS (Z) | Sonde ID (min last 5) | Ch # used | Lat (°N) | Lon (°E) | Prominent Wx Cond. | SFC Prs (mb) | Comments / Issues / QC / ASPEN Edits | KWBC # | Sonde Issues? |
|---------|------|------------------------|-----------------------|-----------|----------|----------|--------------------|--------------|--------------------------------------|--------|---------------|
| 1       | 1    | 203712                 | 30482                 | 1         | 29.5     | 168.0    | SCT                | 1016.8       | <del>SFC WIND</del> 220/20           | 2100   | ✓✓            |
| 2       | 2    | 204730                 | 40432                 | 2         | 30.2     | 168.9    | SCT                | 1014.8       | 210/24                               | 2109   | ✓✓            |
| 3       | 3    | 205745                 | 50285                 | 3         | 30.8     | 169.7    | BKN                | 1013.2       | 215/32                               | 2118   | ✓✓            |
| 4       | 4    | 210812                 | 40645                 | 4         | 31.5     | 170.6    | BKN                | 1010.9       | 215/25                               | 2133   | ✓✓            |
| 5       | 5    | 211904                 | 40441                 | 1         | 32.1     | 171.5    | BKN                | 1010.5       | 240/20                               | 2138   | ✓✓            |
| 6       | 6    | 212958                 | 50611                 | 2         | 32.8     | 172.4    | SCT                | 1008.9       | 235/21                               | 2150   | ✓✓            |
| 7       | 7    | 214116                 | 40471                 | 3         | 33.4     | 173.3    | SCT                | 1007.2       | 230/30                               | 2203   | ✓✓            |
| 8       | 8    | 215249                 | 40659                 | 4         | 34.1     | 174.2    | BKN                | 1005.8       | 270/38                               | 2216   | ✓✓            |
| 9       | 9    | 220436                 | 40634                 | 1         | 34.7     | 175.1    | OVC                | 1004.9       | 245/16                               | 2226   | ✓✓            |
| 10      | 10   | 221610                 | 30496                 | 2         | 35.3     | 176.1    | SCT                | 1003.0       | 275/29                               | 2237   | ✓✓            |
| 11      | 11   | 222700                 | 50612                 | 3         | 35.9     | 177.0    | SCT                | 1000.9       | 250/34                               | 2247   | ✓✓            |
| 12      | 12   | 223625                 | 30487                 | 4         | 36.5     | 177.8    | BKN                | 999.4        | 245/23                               | 2254   | ✓✓            |
| 13      | 13   | 224326                 | 30498                 | 1         | 37.2     | 176.9    | BKN                | 999.2        | 270/29                               | 2302   | ✓✓            |
| 14      | 14   | 225042                 | 40657                 | 2         | 37.8     | 175.8    | SCT                | 996.3        | 265/24                               | 2312   | ✓✓            |
| 15      | 15   | 225758                 | 40647                 | 3         | 38.5     | 174.7    | SCT                | 995.9        | 250/27                               | 2319   | ✓✓            |
| 16      | 16   | 230514                 | 50106                 | 4         | 39.1     | 173.5    | SCT                | 993.9        | 245/36                               | 2328   | ✓✓            |
| 17      | 17   | 231232                 | 30024                 | 1         | 39.8     | 172.4    | SCT                | 993.3        | 250/27                               | 2332   | ✓✓            |
| 18      | 18   | 231930                 | 30020                 | 2         | 40.4     | 171.2    | OVC                | 991.6        | 255/26                               | 2346   | ✓✓            |
| 19      | 19   | 232630                 | 50284                 | 3         | 40.9     | 170.0    | OVC                | 991.7        | 260/25                               | 0011   | ✓✓            |
| 20      | 20   | 233326                 | 11017                 | 4         | 40.1     | 169.3    | BKN                | 992.5        | 255/20                               | 0013   | ✓✓            |
| 21      | 21   | 234104                 | 10991                 | 1         | 39.3     | 168.6    | OVC                | 993.2        | 270/23                               | 0018   | ✓✓            |
| 22      | 22   | 234852                 | 40656                 | 2         | 38.4     | 167.9    | OVC                | 996.7        | 245/28                               | 0019   | ✓✓            |
| 23      | 23   | 235639                 | 40666                 | 3         | 37.6     | 167.2    | BKN                | 999.2        | 260/26                               | 0026   | ✓✓            |
| 24      | 24   | 000412                 | 40568                 | 4         | 36.7     | 166.6    | BKN                | 1001.2       | 220/33                               | 0031   | ✓✓            |
| 25      | 25   | 001202                 | 40658                 | 1         | 35.9     | 166.0    | SCT                | 1002.8       | 220/26                               | 0034   | ✓✓            |
| 26      | 26   | 001951                 | 40443                 | 2         | 35.0     | 165.3    | SCT                | 1005.3       | 220/21                               | 0039   | ✓✓            |
| 27      | 27   | 002728                 | 30680                 | 3         | 34.1     | 164.7    | OVC                | 1008.3       | 255/24                               | 0049   | ✓✓            |
| 28      | 28   | 003505                 | 10926                 | 4         | 33.3     | 164.1    | BKN                | 1010.0       | 220/26                               | 0057   | ✓✓            |
| 29      | 29   | 004241                 | 30503                 | 1         | 32.4     | 163.6    | SCT                | 1011.5       | 205/29                               | 0103   | ✓✓            |
| 30      | 30   | 005018                 | 30706                 | 2         | 31.5     | 163.0    | SCT                | 1014.1       | 210/24 LAST RPT                      | 0110   | ✓✓            |
| 31      |      |                        |                       |           |          |          |                    |              |                                      |        |               |
| 32      |      |                        |                       |           |          |          |                    |              |                                      |        |               |
| 33      |      |                        |                       |           |          |          |                    |              |                                      |        |               |
| 34      |      |                        |                       |           |          |          |                    |              |                                      |        |               |
| 35      |      |                        |                       |           |          |          |                    |              |                                      |        |               |
| 36      |      |                        |                       |           |          |          |                    |              |                                      |        |               |
| 37      |      |                        |                       |           |          |          |                    |              |                                      |        |               |
| 38      |      |                        |                       |           |          |          |                    |              |                                      |        |               |

ASPEN Operator will ensure this form is delivered to the AOC Flight Director to be archived

COMMENTS:

Obs  
XmittedObs  
Missed# of sondes  
launched# of bad  
sondes

# AVAPS Drop Log

Project: ARR 22

Mission: ARR

Flight ID: 20220223NI

Take Off: \_\_\_\_\_

Landing: \_\_\_\_\_

Flt Dir: Quinn/Rich

Launcher S/N: \_\_\_\_\_

| Drop # | Sonde Serial # | Rcvr # | Press Offset | Launch Time | Operator | Charge \$\$ To | Comments | Good ? |
|--------|----------------|--------|--------------|-------------|----------|----------------|----------|--------|
| 1      | 211030482      | 1      | 0            | 2037        | AJP      | AR             |          | ✓      |
| 2      | 211440432      | 2      | 0            | 2047        |          |                |          | ✓      |
| 3      | 211450285      | 3      | 0            | 2057        |          |                |          | ✓      |
| 4      | 211440645      | 4      | 0            | 2108        |          |                |          | ✓      |
| 5      | 211440441      | 1      | 0            | 2119        |          |                |          | ✓      |
| 6      | 211450611      | 2      | -0.4         | 2129        |          |                |          | ✓      |
| 7      | 213740471      | 3      | 0            | 2141        |          |                |          | ✓      |
| 8      | 211440659      | 4      | 0            | 2152        |          |                |          | ✓      |
| 9      | 211440634      | 1      | 0            | 2204        |          |                |          | ✓      |
| 10     | 211030496      | 2      | 0            | 2216        |          |                |          | ✓      |
| 11     | 211450612      | 3      | 0            | 2227        |          |                |          | ✓      |
| 12     | 211030487      | 4      | 0            | 2236        |          |                |          | ✓      |
| 13     | 211030498      | 1      | 0            | 2243        |          |                |          | ✓      |
| 14     | 211440657      | 2      | 0            | 2250        |          |                |          | ✓      |
| 15     | 211440647      | 3      | 0            | 2257        |          |                |          | ✓      |
| 16     | 211450106      | 4      | 0            | 2305        |          |                |          | ✓      |
| 17     | 211030024      | 1      | 0            | 2312        |          |                |          | ✓      |
| 18     | 211030020      | 2      | 0            | 2319        |          |                |          | ✓      |
| 19     | 211450284      | 3      | -0.5         | 2326        |          |                |          | ✓      |
| 20     | 211011017      | 4      | 0            | 2333        |          |                |          | ✓      |
| 21     | 211010991      | 1      | 0            | 2341        |          |                |          | ✓      |
| 22     | 211440656      | 2      | 0            | 2348        |          |                |          | ✓      |
| 23     | 211440666      | 3      | 0            | 2356        |          |                |          | ✓      |
| 24     | 213740568      | 4      | 0            | 0004        |          |                |          | ✓      |
| 25     | 211440658      | 1      | 0            | 0012        |          |                |          | ✓      |
| 26     | 211440443      | 2      | 0            | 0019        |          |                |          | ✓      |
| 27     | 211030680      | 3      | 0            | 0027        |          |                |          | ✓      |
| 28     | 213810926      | 4      | 0            | 0035        |          |                |          | ✓      |
| 29     | 211030503      | 1      | 0            | 0042        |          |                |          | ✓      |
| 30     | 211030706      | 2      | 0            |             |          |                |          | ✓      |
| 31     |                |        |              |             |          |                |          |        |

30/30

2022-02-23, 18:37:05-26:28:24

LatGPS.3 (deg)

