

## NOAA Aircraft Operations Center - NOAA 49 Flight Manifest

| FLIGHT INFORMATION                |              |             |      | CREW MANIFEST |           |             | MISSION INFORMATION |            |            |     |      |
|-----------------------------------|--------------|-------------|------|---------------|-----------|-------------|---------------------|------------|------------|-----|------|
| FLT ID:                           | 20180926H1   | FLT #:      |      | AC:           | PRICE     | Scientists: | Pressure            |            | Dropsondes |     |      |
| From:                             | MRLB         | ETD:        |      | CP(s):        | KAHN      | ZAWISLAK    | A/C Takeoff         |            | Good       | Bad | Sent |
| To:                               | MRLB         | ETA:        |      |               | ROSSI     | ROGERS      |                     |            |            |     |      |
| Block Time                        |              | Flight Time |      | Nav(s):       | RICHARDS  | ZHANG       | Wx Station Takeoff  |            | 16         | 2   | 14   |
| In:                               | 2045         | In:         | 2042 |               |           | CHANG       |                     |            | BTs 3      |     |      |
| Out:                              | 1549         | Out:        | 1557 | FE(s):        | SANCHEZ   | JELENAK     | A/C Land            |            | Good       | Bad | Sent |
| Total:                            | 4.9          | Total:      | 4.8  | FD(s):        | Sears     | SAPP        | Wx Station Land     |            |            |     |      |
| Sponsoring Org:                   | HRD          |             |      | SEB:          | MASCARO   | Visitors:   | Storm Number ID:    |            |            |     |      |
| Program:                          |              |             |      |               | GREENE    |             | (ie: AL072012)      |            |            |     |      |
| Purpose:                          | EP96 GENESIS |             |      | SSA:          | MCALISTER |             | TCPOD/WSPOD Mission |            |            |     |      |
|                                   |              |             |      | AVAPS:        |           |             | <b>OBSERVATIONS</b> |            |            |     |      |
| 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       |              |             |      |               |           |             |                     |            |            |     |      |

Additional Remarks:

\*Highlighted items must be completed before departure.

Cockpit Gmax:

Gmin:



### APPENDIX 1 – P3 QC Checklist

|                     |            |
|---------------------|------------|
| Flight ID:          | 20180926#1 |
| Flight Director(s): | Stans      |

| Pressure Comparison |      |                                     |
|---------------------|------|-------------------------------------|
|                     | T/O  | Land                                |
| Aircraft            | 1002 | <input checked="" type="checkbox"/> |
| Tower               | 1003 | <input checked="" type="checkbox"/> |

UWZ.d mean: -0.03 m/s

|  | Raw 1Hz Mean File Parameters                     |  |  |  | C File Parameters                              |  |
|--|--|--|--|--|--|--|
| <input checked="" 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"/> AccZfilter-GPS.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"/> AccZfilter-GPS.2 |  |  |
|  | <input checked="" type="checkbox"/> AccAXI-GPS.1 | <input checked="" type="checkbox"/> AccAYI-GPS.1 | <input checked="" type="checkbox"/> AccAZI-GPS.1 |  |  |  |
|  | <input checked="" type="checkbox"/> AccAXI-GPS.2 | <input checked="" type="checkbox"/> AccAYI-GPS.2 | <input checked="" type="checkbox"/> AccAZI-GPS.2 |  |  |  |
| <input checked="" type="checkbox"/> Altitude                   | <input checked="" type="checkbox"/> AltGPS.1     | <input checked="" type="checkbox"/> AltI-GPS.1   | <input checked="" type="checkbox"/> AltPaADDU.1  | <input checked="" type="checkbox"/> AltRA.1          | <input checked="" type="checkbox"/> ALTref     | <input checked="" type="checkbox"/> AltRA1.c |
|  | <input checked="" type="checkbox"/> AltGPS.2     | <input checked="" type="checkbox"/> AltI-GPS.2   | <input checked="" type="checkbox"/> AltBCADDU.1  | <input checked="" type="checkbox"/> AltRA.2          | <input checked="" type="checkbox"/> ALTPA.d    | <input checked="" type="checkbox"/> AltRA2.c |
|  | <input checked="" type="checkbox"/> AltGPS.3     |  |  |  | <input checked="" type="checkbox"/> ALTGA.d    |  |
|  | <input checked="" type="checkbox"/> AltGPS.4     |  |  |  |  |  |
| <input checked="" type="checkbox"/> Ground Speed               | <input checked="" type="checkbox"/> GsXI-GPS.1   | <input checked="" type="checkbox"/> GsYI-GPS.1   | <input checked="" type="checkbox"/> GsZI-GPS.1   |  | <input checked="" type="checkbox"/> GSXref     |  |
|  | <input checked="" type="checkbox"/> GsXI-GPS.2   | <input checked="" type="checkbox"/> GsYI-GPS.2   | <input checked="" type="checkbox"/> GsZI-GPS.2   |  | <input checked="" type="checkbox"/> GSYref     |  |
| <input checked="" type="checkbox"/> Lat/Lon                    | <input checked="" type="checkbox"/> LatGPS.1     | <input checked="" type="checkbox"/> Lati-GPS.1   | <input checked="" type="checkbox"/> LonGPS.1     | <input checked="" type="checkbox"/> Loni-GPS.1       | <input checked="" type="checkbox"/> LATref     |  |
|  | <input checked="" type="checkbox"/> LatGPS.2     | <input checked="" type="checkbox"/> Lati-GPS.2   | <input checked="" type="checkbox"/> LonGPS.2     | <input checked="" type="checkbox"/> Loni-GPS.2       | <input checked="" type="checkbox"/> LONref     |  |
|  | <input checked="" type="checkbox"/> LatGPS.3     |  | <input checked="" type="checkbox"/> LonGPS.3     |  |  |  |
|  | <input checked="" type="checkbox"/> LatGPS.4     |  | <input checked="" type="checkbox"/> LatGPS.4     |  |  |  |
| <input checked="" 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"/> PDALPHAref | <input checked="" type="checkbox"/> PQMref   |
|  | <input checked="" type="checkbox"/> PDALPHA.2    | <input checked="" type="checkbox"/> PQBETA.1     | <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"/> PQM.3        | <input checked="" type="checkbox"/> PTM.1            | <input checked="" type="checkbox"/> PQALPHAref | <input checked="" type="checkbox"/> PSMref   |
|  | <input checked="" type="checkbox"/> PDBETA.2     |  | <input checked="" type="checkbox"/> PQM.4        |  | <input checked="" type="checkbox"/> PQBETAref  | <input checked="" type="checkbox"/> PS.c     |
| <input checked="" type="checkbox"/> Air Speed                  | <input checked="" type="checkbox"/> CasADDU.1    | <input checked="" type="checkbox"/> IasADDU.1    | <input checked="" type="checkbox"/> IasADDU.1    |  | <input checked="" type="checkbox"/> IAS.d      | <input checked="" type="checkbox"/> IAS.d    |
| <input checked="" 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 checked="" type="checkbox"/> Temp/Dewpt                 | <input checked="" type="checkbox"/> TTM.1        | <input checked="" type="checkbox"/> TDM.1        | <input checked="" type="checkbox"/> TRadD.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"/> TRadS.1      |  | <input checked="" type="checkbox"/> TDMref     | <input checked="" type="checkbox"/> TA.d     |
|  | <input checked="" type="checkbox"/> TTM.3        | <input checked="" type="checkbox"/> TDM.3        | <input checked="" type="checkbox"/> TRadU.1      |  |  |  |
| <input checked="" type="checkbox"/> Miscellaneous (must check) |  |  |  |  | <input checked="" type="checkbox"/> UWZ.d      | <input checked="" type="checkbox"/> WS.d     |
|  |  |  |  |  | <input checked="" type="checkbox"/> DP_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                           |

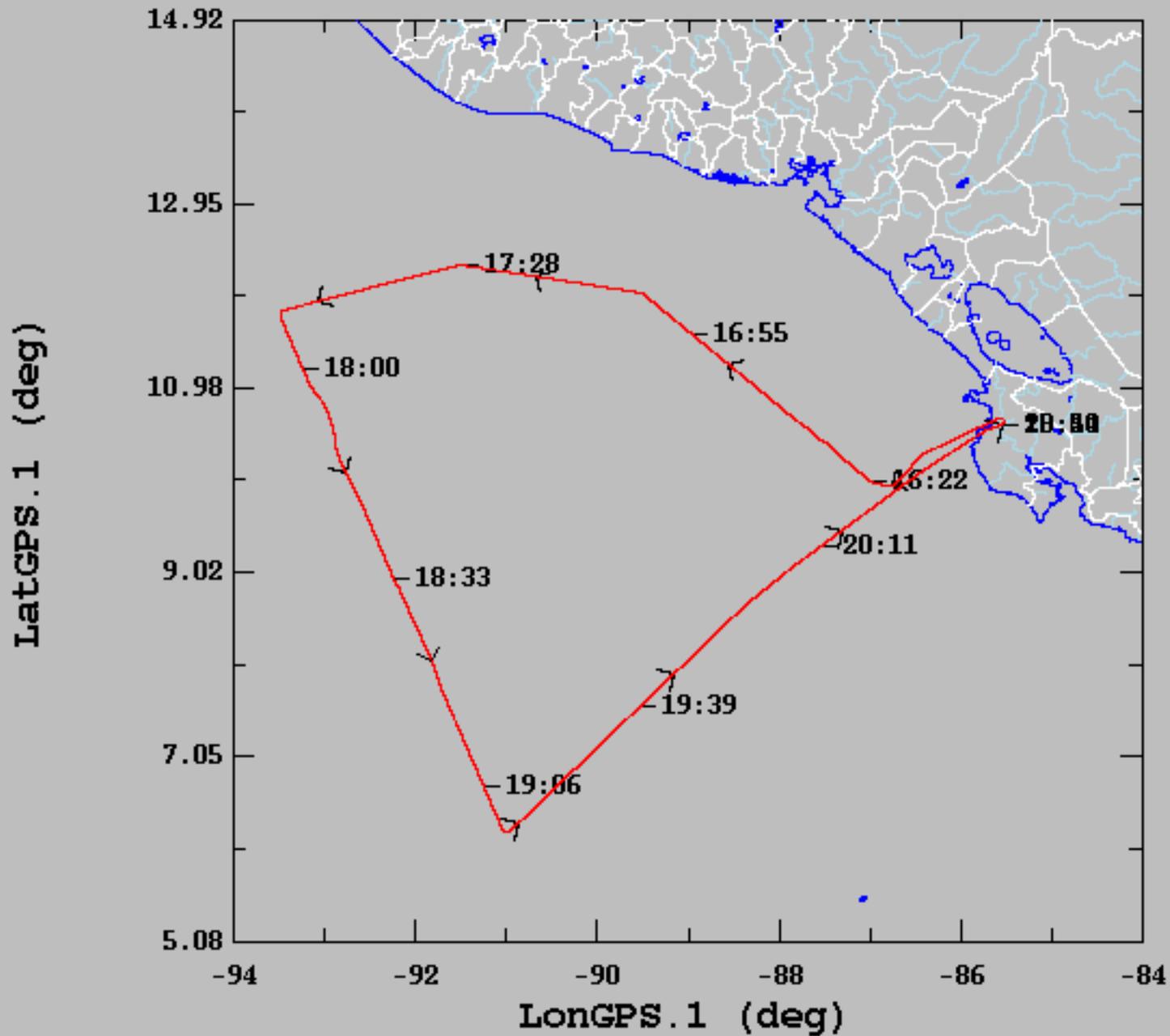
**NOTES:**

psm.1 failed/lost.  
PDALPHA.2 Inop



# 20180926H1 Flight Track

2018-09-26, 15:50:09-20:44:31



|                          | mean   | sigma | min    | max    |
|--------------------------|--------|-------|--------|--------|
| LatGPS.1 (deg), 1 s/sec  | 9.82   | 1.75  | 6.23   | 12.30  |
| LongGPS.1 (deg), 1 s/sec | -89.64 | 2.45  | -93.48 | -85.51 |