Flight ID: 20230918H1

```
      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/2023/MET/20230918H1
```

```
Local Met Data        Takeoff KLAL (1627Z)   Landing TXKF (1925Z)
      Dynamic Corrections                     Yes
      AttackAngleIntercept                    2.305
      AttackAngleSlope                        6.07576
      SlipAngleIntercept                      0.235
      SlipAngleSlope                          7.01112
      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.

I.3 for Pitch and Roll is not operational
TTM.3 is not operational
TRadU.1 is not operational
TDM.1 deviates from TDM.2 several degrees at times throughout the transit
with some erroneous spikes higher and lower than TDM.2
TDM.2 is the better (consistently) behaving sensor and TDMref is set to
TDM.2; TDM.1 should not be used; TDM.3 has erroneous data throughout the
flight and should not be used
PDALPHAref, PDBETAref, PQALPHAref, PQBETAref, and DPJ_WSZ are not
provided since _AC file is not produced; all other 'C' file parameters
checked are from the _A file

Expendable Type	# deployed	# good	# transmitted

```
Dropsondes              0              0              0
Test sondes             0              0              0
AXBTs                   0              0              0
AXCPs                   0              0              0
AXCTDs                  0              0              0
UAS                     0              0              0
```

Flight Director: Zawislak / Parrish
Phone #: 305-707-4359

                    ACAT-4 Version = 7.4

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION			

FLIGHT INFORMATION

FLT ID:	20230918H1	FLT #:	FY23-
From:	KLAL	ETD:	1200L / 1600Z
To:	TXKF	ETA:	1600L / 1900Z

Block Time		Flight Time	
Out:	16:12	T/O:	16:27
In:	19:31	Land:	19:26
Total:	3.3	Total:	3.0

Sponsoring Org:	HX - NESDIS
Program:	PND
Purpose:	Repo KLAL to Bermuda

CREW MANIFEST

AC:	Abitbol	Scientists:	
CP(s):	Doremus	Paul Chang (NESDIS)
	Gaston	Zorana Jelenak (NESDIS)
NAV:	Utama / Schaefer	Joe Sapp (NESDIS)
FE(s):	Gee	
	Wysinger	
FD(s):	Zawislak	
	Parrish	
SSA:	McAlister	Visitors:
AVAPS:	Waggoner	
SEB:	Flaherty (PM)	
	Kerns (CO)	
MX:	Kregelka / Decker	

MISSION INFORMATION

Pressure

			Dropsondes		
A/C Takeoff	1008.7		Good	Bad	Sent
ASOS Takeoff	1008.7		0	0	0

			BTs		
A/C Land			Good	Bad	Sent
ASOS Land	1015.7		0	0	0

Storm Number ID: (ie: AL072012)	N/A
TCPOD/WSPOD Mission (ie: NOAA2 2418A SANDY)	NOAA2 WXWXA TRAIN

OBSERVATIONS

Fix Number	Obs Number	Fix Time	SLP
1			
2			
3			
4			
Pennies:			

AS REQUIRED BY ORM

AS REQUIRED BY ORM	Y	N
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		x

REMARKS

*Highlighted items must be completed before departure.

Remarks:

P-3 QC Checklist

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

Flight ID:	20230918H1
Flight Director(s):	Zawislak / Parrish
Mission:	Ferry
UWZ.d mean:	0.15

Pressure Comparison		
	T/O	Land
Aircraft	1008.7	No good measurement
Tower	1008.7	1015.7

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

FLID_Mission_Documents.pdf:
✅ Error Summary
✅ Crew Manifest
✅ QC Checklist
X Dropwindsonde Log(s) - AVAPS and FD if completed
✅ Flight Track
✅ Miscellaneous FD Notes

QC Key	
Not checked	☐
Valid	✅
Errors (note)	X

NOTES:
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09/18/2023, 14:58:43−19:27:42

LatGPS.1 (deg)
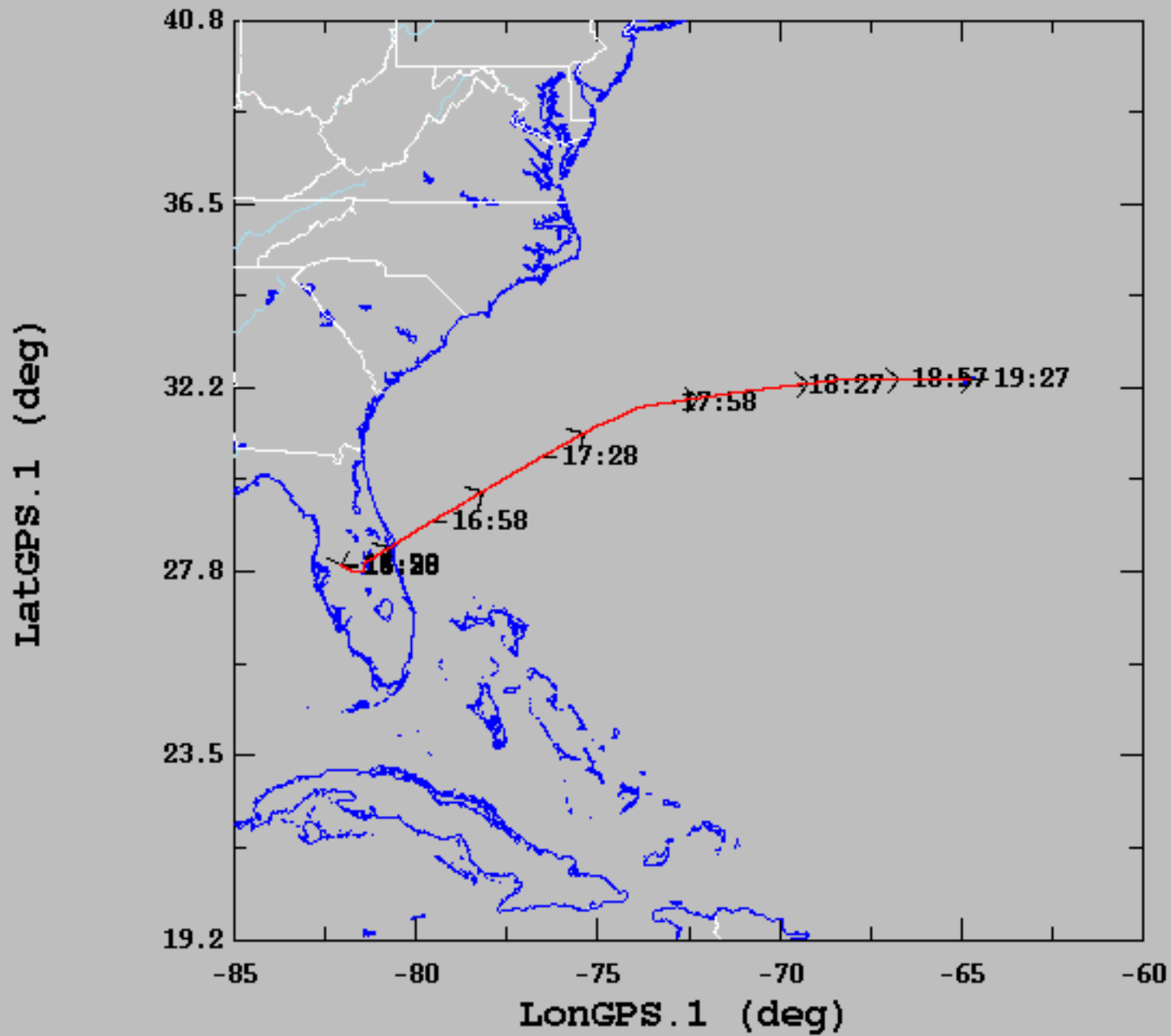
LonGPS.1 (deg)

	mean	sigma	min	max
LatGPS.1 (deg), 1 s/sec	30.00	1.89	27.85	32.39
LonGPS.1 (deg), 1 s/sec	-76.12	6.05	-82.03	-64.67