

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20190916H1	FLT #:		AC:	Kahn	Scientists:	Pressure		Dropsondes		
From:	KLAL	ETD:	1800Z	CP(s):	Rossi	Aberson	A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	0400Z		Legidakes	Alvey			16	2	9
Block Time		Flight Time		Nav(s):	Richards	Bucci	ASOS Takeoff		BTs		
In:	0:13	Land:	0:06			Chang				Good	Bad
Out:	17:38	T/O:	17:44	FE(s):	Darby	Sapp	A/C Land	0	0	0	
Total:	6.6	Total:	6.4	FD(s):	Parrish	Zorana	ASOS Land				
Sponsoring Org:	EMC			SEB:	Naeher	Alan Hough	Storm Number ID:		AL092019		
Program:	PRX				McAllister		(ie: AL142018)				
Purpose:	TDR Mission TD Nine			SSA:	Warnecke		TCPOD/WSPOD Mission		NOAA2 WA09A HUMBERTO		
				AVAPS:			(ie: NOAA2 0614A MICHAEL)				
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH					X	8 Hurricane Pennies					
SCIENCE MISSION WITHIN BDRY LAYER					X	8 mini drops					
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						
							*Highlighted items must be completed before departure.				
Remarks:											

P-3 QC Checklist

Flight ID:	0190916H1
Flight Director(s)	Lundry / Parrish
UWZ.d mean:	0.1

Pressure Comparison		
	T/O	Land
Aircraft	1013.1	--
Tower	1010.4	1009.6

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

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"/> X

NOTES:

PDALPHA.2 and PDBETA.2 inop for entire flight
TDM.1 unrepresentative between 20:05 and 20:09
TDM.3 inop for entire flight
PQM.1 unrepresentative
These were not used operationally or for post processing
Data system was shut off just prior to landing - no acft landing pressure
QC performed by Quinn Kalen

AVAPS Drop Log

Project: HU 19

Mission: HIVE HUMBERTO

Flight ID: 2019091641

Take Off: 1743Z

Landing: _____

Flt Dir: Ludwig/Parrish

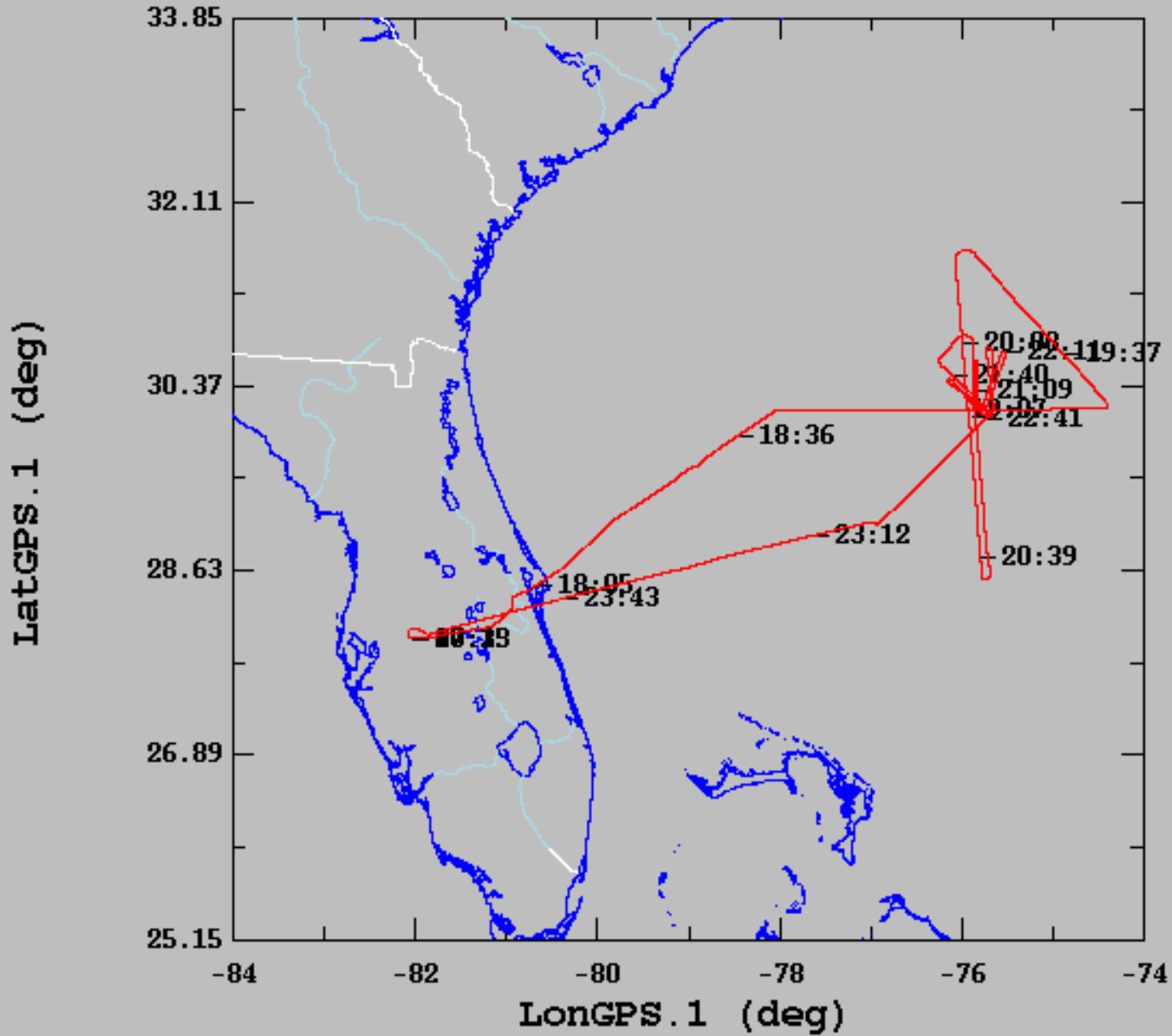
Launcher S/N: 462WR

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	192040001	1	-0.5	1842	JW	NWS	JP (1)	✓
2	191048503	2	0	1856			MP 1	✓
3	185130791	3	-0.5	1907			Center #1	✓
4	185130759	4	-0.7	1919			MP2	✓
5	191640236	1	-0.4	1928			TURN#1 (2)	✓
6	185050751	2	-0.8	1957			TURN#1 (3)	✓
7	192041033	3	-0.6	2007			No Launch Detect	✗
8	192040755	4	-0.7	2008			MP 3 (BACKUP)	✗
9	191740202	1	-0.6	2032			MP 4	✓
10	185050621	2	-0.7	2040			End Point 4 (Leg 2)	✓
11	151325133	1	-1.3	2116			Mini Sonde 1	✓
12	150845224	2	-1.2	2141			Mini 2	✓
13	161635124	1	-0.6	2212			Mini 3	✓
14	161545179	2	0	2215			Mini 4	✓
15	160745017	3	-1.5	2215			Mini 5	✓
16	150835147	4	-1.5	2215			Mini 6	✓
17	152325014	1	-1.8	2245			Mini 7	✓
18	161545053	2	-1.5	2248			Mini 8	✓
19								
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30								
31								

Mini sondes

Leg 1

2019-09-16, 17:35:10-24:13:47



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	29.65	0.96	27.98	31.65
— LonGPS.1 (deg), 1 s/sec	-77.34	2.25	-82.07	-74.38