

Flight Director: Holmes / Lundry
Phone #: 863-500-3986

ACAT-4 Version = 7.3

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

FLIGHT INFORMATION				CREW MANIFEST				MISSION INFORMATION				
FLT ID:	20190922H1	FLT #:		AC:	Didier	Scientists:		Pressure		Dropsondes		
From:	TISX	ETD:	1430Z	CP(s):	Kahn	Chang		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:	2230Z		Legidakes	Rogers				15	0	15
Block Time		Flight Time		Nav(s):	Freeman	Ryan		ASOS Takeoff		BTs		
In:	22:37	Land:	22:30			Jelenak						
Out:	14:14	T/O:	14:21	FE(s):	Sanchez	Zawislak		A/C Land		Good	Bad	Sent
					Lalonde					0	0	0
Total:	8.4	Total:	8.2	FD(s):	Lundry			ASOS Land				
					Holmes	Visitors:						
Sponsoring Org:	HRD			SEB:	Peek	Carrion		Storm Number ID:		AL102019		
						Olney		(ie: AL142018)				
Program:	PHX			SSA:	Mascaro	Urato		TCPOD/WSPOD Mission		WF10A JERRY		
Purpose:	JERRY					Mcfadden		(ie: NOAA2 0614A MICHAEL)				
AVAPS:				Greene			OBSERVATIONS					
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												

*Highlighted items must be completed before departure.

Remarks:

P-3 QC Checklist

Flight ID:	20190922H1
Flight Director(s)	Holmes / Lundry
UWZ.d mean:	0.05

Pressure Comparison		
	T/O	Land
Aircraft	1013.1	1010.1
Tower	1015.6	1017.6

	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 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"/> PSMref <input checked="" type="checkbox"/> PS.c <input checked="" type="checkbox"/> PQMref <input checked="" type="checkbox"/> PQ.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
PQM.1 not representative
PQM.4 not representative between 20:57 and 21:07
TDM.3 inop for entire flight
QC performed by Quinn Kalen

AVAPS Drop Log

Project: _____

Mission: Med. Jerry

Flight ID: 2019092041 ²²

Take Off: _____

Landing: _____

Flt Dir: ASH/mike

Launcher S/N: _____

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	185130764	1	0	1545	Jh	HRD	EP 1 st	✓
2	191050477	2	-0.5	1600	Jh	HRD	MA	✓
3	185140153	3	-0.6	1642	Jh	HRD	MP (no contour)	✓
4	192041053	4	-0.5	1633	Jh	HRD	ED 1 st	✓
5	185130822	2	-0.6	1648	Jh	HRD	EP 2 nd	✓
6	185050753	2	-0.9	1457	Jh	HRD	MP	✓
7	190950414	3	-0.4	1708	Jh	HRD	CP (KINDA)	✓
8	190950393	4	0	1719	Jh	HRD	MP	✓
9	185140164	5	0.9	1726	Jh	HRD	EP 2 nd	✓
10	190950126	6	-0.9	1744	Jh	NESON	RMW	✓
11	185050637	1	-0.9	1901	Jh	HRD	ED 3 rd	✓
12	185130799	2	-0.7	1915	Jh	HRD	MP	✓
13	185050641	3	-0.7	1923	Jh	HRD	CP	✓
14	191010395	4	-0.8	1934	Jh	HRD	MP	✓
15	190950409	5	-0.4	1944	Jh	HRD	3 rd	✓
16	191050427	6	-0.5					
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								

1909 5 HRD

200 4 HRD

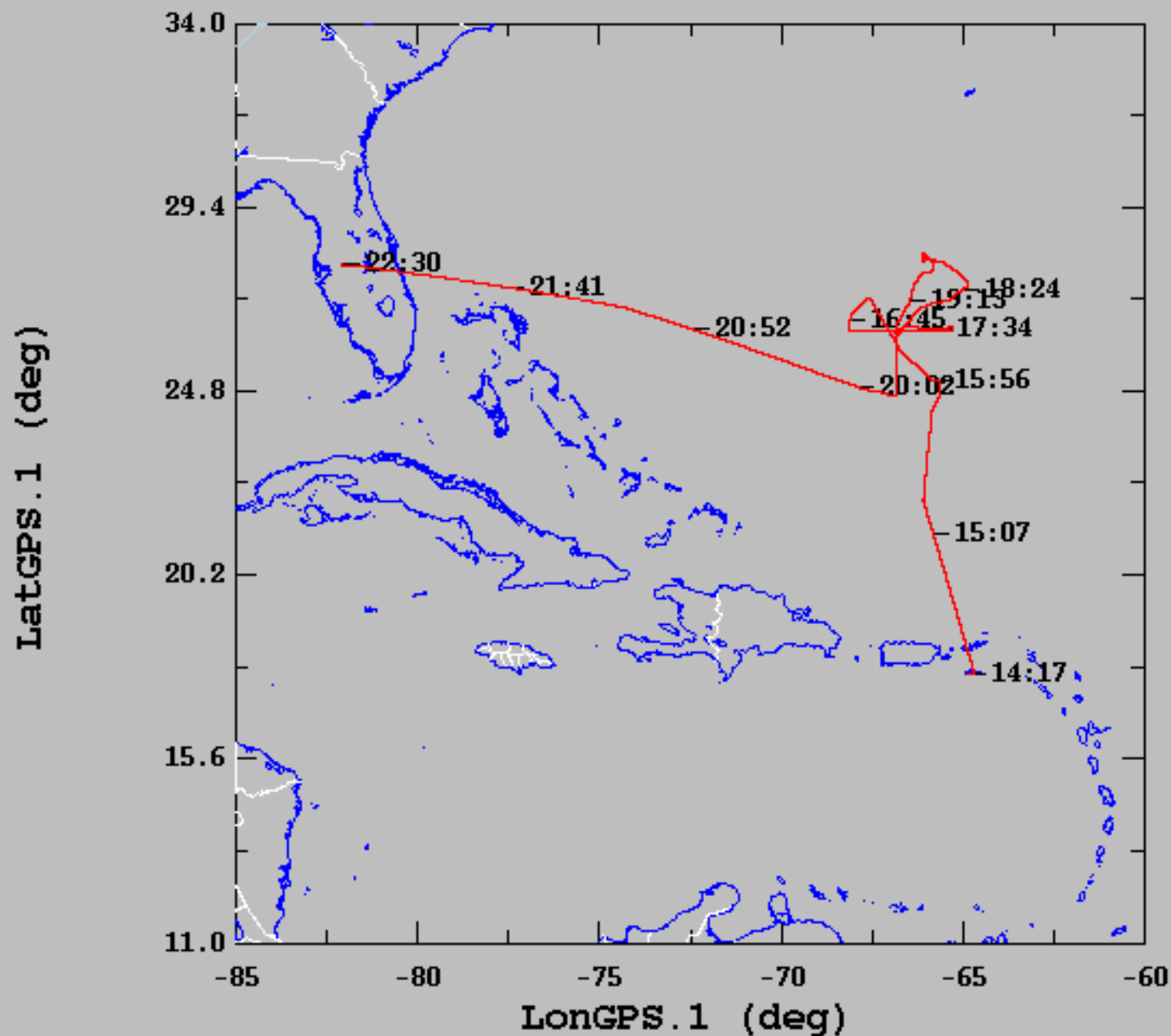
300 4 HRD

Paul

Paul Nelson



2019-09-22, 14:17:55-22:30:34



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	25.55	2.52	17.70	28.25
— LongGPS.1 (deg), 1 s/sec	-68.85	4.72	-82.07	-64.67