

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

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20240703N1	FLT #:		AC:	Bhatnagar	Scientists:	Pressure		Dropsondes		
From:	TISX	ETD:		CP(s):	Pawlenko		A/C Takeoff		Good	Bad	Sent
To:	KLAL	ETA:		NAV:					25	2	25
Block Time		Flight Time		FE(s):			ASOS Takeoff	BTs			
In:	23:45	Land:	23:41	FD(s):	Flaherty		A/C Land	Good	Bad	Sent	
Out:	17:38	T/O:	16:37	FD(s):	de Solo		ASOS Land				
Total:	6.1	Total:	7.1	SSA:	Defeo	Visitors:	Storm Number ID:				
Sponsoring Org:	NWS			AVAPS:	Vargas	Frank	(ie: AL072012)				
Program:	PHS			SEB:	Breannigan		TCPOD/WSP0D Mission				
Purpose:	HX BERYL			MX:	Roche		(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS		Fix Number	Obs Number	Fix Time	SLP
VOLCANIC ASH								1			
SCIENCE MISSION WITHIN BDRY LAYER								2			
LACK OF PRECIPITATION								3			
RELATIVE HUMIDITY ≥ 80%								4			
LARGE AIR-SEA TEMP GRADIENT											
HIGH SURFACE WINDS											
LONG FETCH / DURATION OF SFC WND											
SEA SALT ACCRETION FORECAST											
SEA SALT ACCRETION OBSERVED								Pennies:			
						*Highlighted items must be completed before departure.					
Remarks:	No ASPEN log available.										

G-IV QC Checklist

Overall Assessment

No instrument issues noted.

Flight ID:	20240703N1
Flight Director(s):	Flaherty/de Solo
Mission:	Tasked/Operational
UWZ.d mean:	

Pressure Comparison		
	Pre-flight	Post-flight
Aircraft		
Airfield		

This form uses:

[A.nc](#)

Parameters	Raw				Derived, Corrected & Reference
✓ Acceleration	✓ AccAXI.1	✓ AccAYI.1	✓ AccAZI.1	✓ AccZI.1	✓ AccZref
	✓ AccAXI.2	✓ AccAYI.2	✓ AccAZI.2	✓ AccZI.2	
	✓ AccAXI.3	✓ AccAYI.3	✓ AccAZI.3	✓ AccZI.3	
✓ Altitude	✓ AltGPS.1	✓ AltI.1	✓ AltPaADDU.1	✓ AltBCADDU.1	✓ ALTref ✓ ALTPA.d ✓ ALTGA.d
	✓ AltGPS.2	✓ AltI.2	✓ AltPaADDU.2	✓ AltBCADDU.2	
	✓ AltGPS.3	✓ AltI.3	INOP AltRA.1		
✓ Ground Speed	✓ GsXI.1	✓ GsYI.1	✓ GsZI.1	✓ GsGPS.1	✓ GSXref ✓ GSYref ✓ GSZref
	✓ GsXI.2	✓ GsYI.2	✓ GsZI.2	✓ GsGPS.2	
	✓ GsXI.3	✓ GsYI.3	✓ GsZI.3		
	✓ GsXGPS.1	✓ GsYGPS.1	✓ GsZGPS.1		
	✓ GsXGPS.2	✓ GsYGPS.2	✓ GsZGPS.2		
✓ Location	✓ LatGPS.1	✓ LatI.1	✓ LongGPS.1	✓ LonI.1	✓ LATref ✓ LONref
	✓ LatGPS.2	✓ LatI.2	✓ LongGPS.2	✓ LonI.2	
	✓ LatGPS.3	✓ LatI.3	✓ LongGPS.3	✓ LonI.3	
✓ Pressure Sensors	✓ PDALPHA.1	✓ PQALPHA.1	✓ PQM.1	✓ PSM.1	✓ PQMref ✓ PQ.c ✓ PSMref ✓ PS.c
	✓ PDALPHA.2	✓ PQALPHA.2	✓ PQM.2	✓ PSM.2	
	✓ PDBETA.1	✓ PQBETA.1			
	✓ PDBETA.2	✓ PQBETA.2			
✓ Air Speed	✓ CasADDU.1	✓ TasADDU.1			✓ IAS.d ✓ TAS.d
✓ Pitch / Roll	✓ PitchI.1	✓ PitchRatel.1	✓ RollI.1	✓ RollRatel.1	✓ PITCHref ✓ ROLLref
	✓ PitchI.2	✓ PitchRatel.2	✓ RollI.2	✓ RollRatel.2	
	✓ PitchI.3	✓ PitchRatel.3	✓ RollI.3	✓ RollRatel.3	
✓ Temperature / Dewpoint	✓ TTM.1	✓ TTM.4	X TDM.1		✓ TD.c ✓ TTMref ✓ TDMref ✓ TA.d HUM
	INOP TTM.2		✓ TDM.2		
	✓ TTM.3				
✓ Wind					✓ UWZ.d ✓ WS.d ✓ WD.d

FLID_Mission_Documents.pdf:

- ✓ Error Summary
- ✓ Crew Manifest
- ✓ QC Checklist
- ✓ Dropwindsonde Log(s) - AVAPS and FD, if completed
- ✓ Flight Track

QC Key:

Valid	✓
Errors (see NOTES)	X
Sensor Inoperative	inop

NOTES:

AVAPS Drop Log

Project: 4X2024
AVR 2023/24

Mission: BERYL

Flight ID: 20240703N1

Take Off: 1330

Landing: 2000

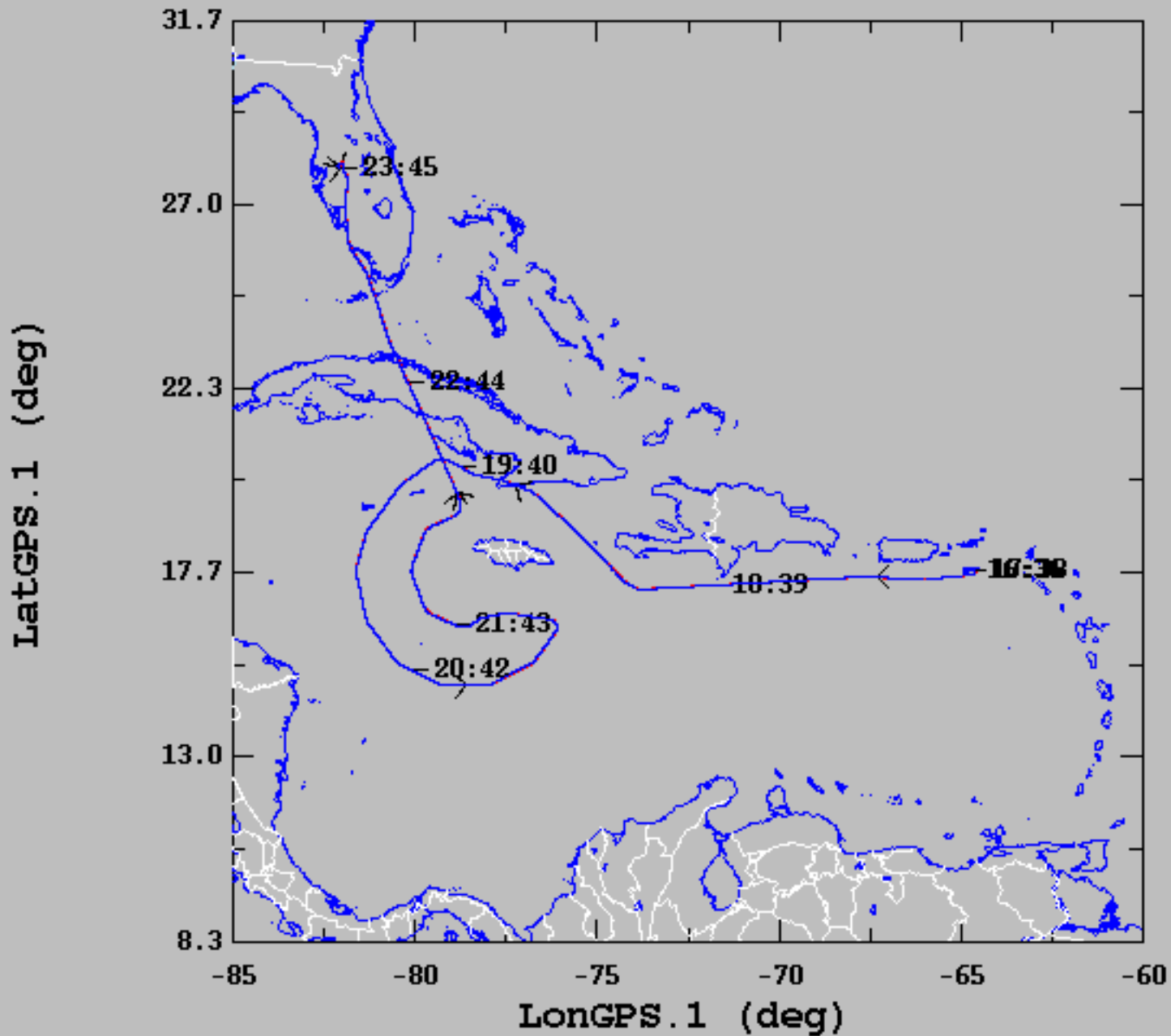
Flt Dir: Sofia

Launcher S/N: 2

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	230450384	1	-0.8	1807	JQ	PHS	Good	✓
2	230710650	2	-0.7	1819	JQ	PHS	Good	✓
3	230450117	3	-0.5	1832	JQ	PHS	Good	✓
4	230620803	4	-1.0	1844	JQ	PHS	Good	✓
5	233824510	1	-0.5	1856	JQ	PHS	Good	✓
6	230351441	2	-0.7	1906	JQ	PHS	Good	✓
7	230710560	3	-0.7	1916	JQ	PHS	Good	✓
8	230450393	4	-0.8	1924	JQ	PHS	Good	✓
9	230650067	1	-0.8	1945	JQ	PHS	Fast Fall	X
10	230620799	2	-1.2	1946	JQ	PHS	Good	✓
11	230620819	3	-1.1	1955	JQ	PHS	Good	✓
12	230351533	4	-0.3	2008	JQ	PHS	Fast Fall	X
13	230530210	1	-0.8	2009	JQ	PHS	Good	✓
14	230940023	2	-0.6	2016	JQ	PHS	Good	✓
15	230630326	3	-0.9	2027	JQ	PHS	Good	✓
16	230351434	4	-0.9	2038	JQ	PHS	Good	✓
17	230351553	1	-0.6	2049	JQ	PHS	Good	✓
18	230530205	2	-0.3	2059	JQ	PHS	Good	✓
19	230650144	3	-0.9	2110	JQ	PHS	Good	✓
20	230620893	4	-0.8	2120	JQ	PHS	Good	✓
21	230650114	1	-0.4	2131	JQ	PHS	Good	✓
22	233814606	2	-0.3	2140	JQ	PHS	Good	✓
23	230620754	3	-0.5	2149	JQ	PHS	Good	✓
24	230530206	4	-0.7	2158	JQ	PHS	Good	✓
25	230620818	1	-1.1	2208	JQ	PHS	Good	✓
26	230351556	2	-0.5	2216	JQ	PHS	Good	✓
27	230351443	3	-1.2	2253	JQ	PHS	Good	✓
28								
29								
30								
31								

Noted mistake: All PHS for this series are actually NWS.

07/03/2024, 16:36:53-23:45:54



	mean	sigma	min	max
— LatGPS.1 (deg), 1 s/sec	18.95	3.27	14.78	28.10
— LongGPS.1 (deg), 1 s/sec	-75.40	6.12	-82.09	-64.56
— LatI.1 (deg), 1 s/sec	18.96	3.27	14.78	28.12
— LonI.1 (deg), 1 s/sec	-75.40	6.12	-82.08	-64.56