

N42RF ERROR SUMMARY
 20180820H1 Hurricane Lane Mission 0214E

Flight ID: 20180820H1

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/2018/MET/20180820H1

Local Met Data	Takeoff PHNL (0208Z)	Landing PHNL (1000Z)
Dynamic Corrections		Yes
AttackAngleIntercept		2.31252
AttackAngleSlope		6.06758
SlipAngleIntercept		0.4295
SlipAngleSlope		7.17033

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.

TDM #2 used as reference Dew Point source. PDAlpha.2 is INOP but is not the reference and had no impact on derived calculations

Expendable Type -----	# deployed -----	# good -----	# transmitted -----
Dropsondes	17	17	17
Test sondes	0	0	0
AXBTS	7	5	5
AXCPs	0	0	0
AXCTDs	0	0	0
UAS	0	0	0

Flight Director: Henning
 Phone #: (863) 500-3982

ACAT-4 Version = 7.2

NOAA Aircraft Operations Center - NOAA 42 Flight Manifest

FLIGHT INFORMATION				CREW MANIFEST			MISSION INFORMATION				
FLT ID:	20180820H1	FLT #:		AC:	Kahn	Scientists:	Pressure		Drosondes		
From:	PHNL	ETD:	1100L	CP(s):	Didier	Kathryn Sellwood Kelly Ryan Sim Aberson	A/C Takeoff		Good	Bad	Sent
To:	PHNL	ETA:	1400L		Abitbol		Wx Station Takeoff		17	0	17
Block Time		Flight Time		Nav(s):	Urato				BTs		
In:	1003	In:	1000	FE(s)	Sanchez		A/C Land		Good	Bad	Sent
Out:	0157	Out:	0208		Heystek		Wx Station Land		5	2	05
Total:	8.1	Total:	7.9	FD(s):	Henning	Visitors:	Storm Number ID:		EP142018		
Sponsoring Org:	EMC			SEB:	Patel	Nancy Thompson	(ie: AL072012)				
Program:	PHX				Greene	Lee Suring	TCPOD/WSPOD Mission		NOAA2 0214E LANE		
Purpose:	TDR mission into Hurr LANE			SSA:	Mascaro	Tom Evans	(ie: NOAA2 2418A SANDY)				
AVAPS:							OBSERVATIONS				
AS REQUIRED BY ORM				Y	N	REMARKS	Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH				X			1	#6	0510z	966	
SCIENCE MISSION WITHIN BDY LAYER					X		2	#11	0621z	966	
LACK OF PRECIPITATION					X		3	#16	0722z	970	
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:

Cockpit Gmax:

Gmin:

*Highlighted items must be completed before departure.

966
185/17965

5110z

13.39 144 49

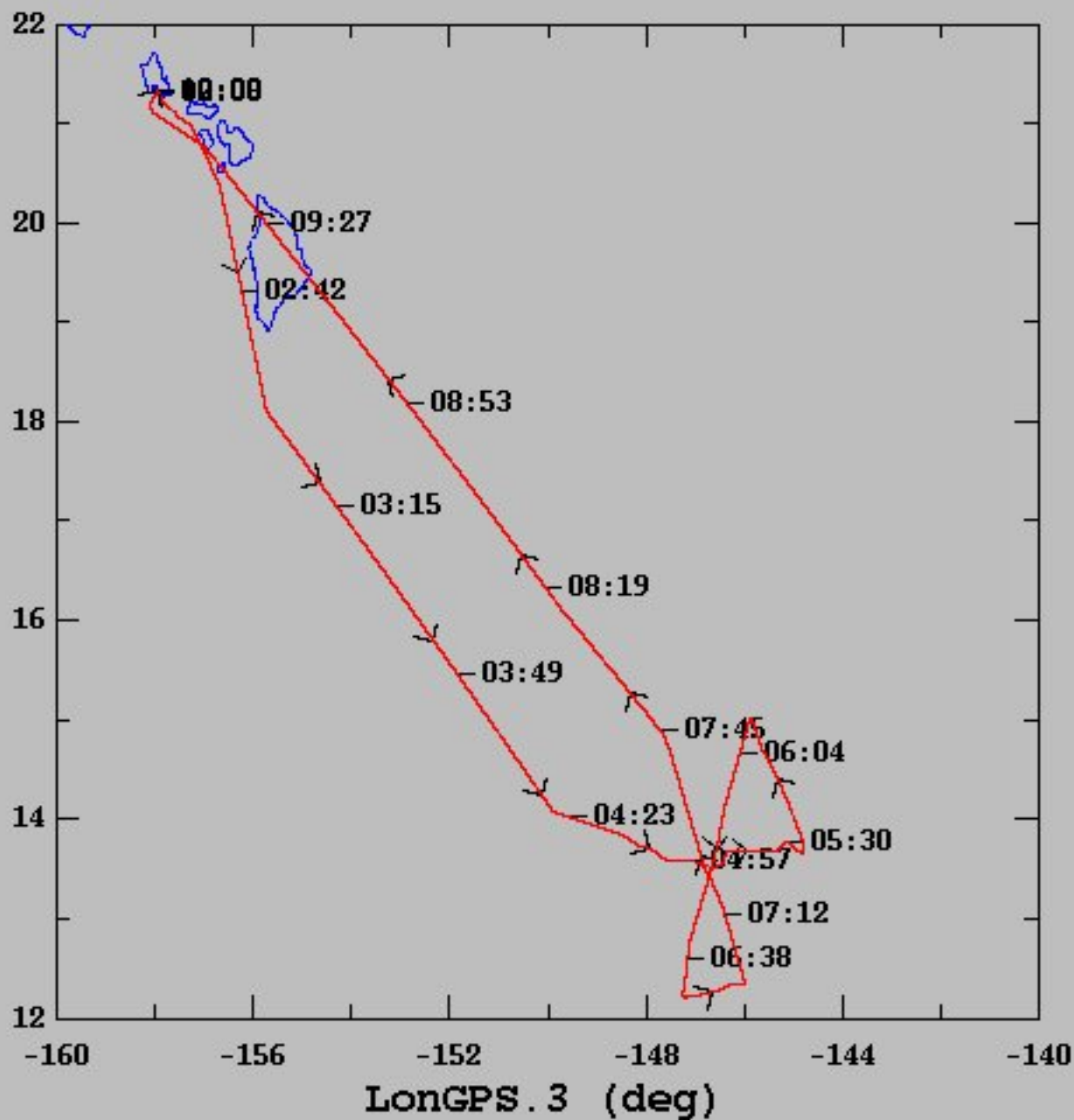
075/18 13.65 146.36

280/10 13.7 146.1

902
1341 14633

NE → 1459 145 46

2018-08-20, 02:08:26-10:00:58



NOAA • AOC • SED N42RF AVAPS DROP LOG

Lead Tech: Mike Mascaro

Project: Hurricane 2018

Mission: Hurricane Lane

Flight ID: 0018082041

Take Off: #

Landing: _____

Flt Dir: R/L

Drop #	Sonde Serial #	Rcvr #	Press Offset	Launch Time	Operator	Charge \$\$ To	Comments	Good ?
1	162735052	1	-0.3	0449	AJP	NWS	Start Point, good, 1st pass	✓
2	162655077	2	-0.4	0507			Eyewall, good, combo, BT no good	✓
3	163313006	3	-0.1	0510			Center, good	✓
4	162655091	4	-0.2	0512			eyewall, good	✓
5	162715108	5	-0.3	0536			End point, good	✓
6	163325127	6	-0.2	0558			Start point, 2nd pass	✓
7	162735053	7	-0.3	0618			Eyewall, combo, X Partial data	✓
8	162655097	8	-0.3	0620			Eyewall, backup Drop 7	✓
9	163325008	1	0.1	0621			Center	✓
10	163255093	2	-0.2	0624			Eyewall	✓
11	162735042	3	-0.4	0643			End point	✓
12	163325035	4	-0.1	0700			Start point 3rd pass	✓
13	162735056	5	-0.1	0720			eyewall, combo, BT good	✓
14	162735060	6	-0.2	0722			Center	✓
15	163325050	7	-0.2	0724			eyewall, combo	✓
16	163335128	8	-0.2	725			Back up Drop 16	✓
17	162715119	1	-0.1	744			end point	✓
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								

BT no good

No GPS

BT no good