

N42RF ERROR SUMMARY  
20180821H1 Hurricane Lane Mission 0714E

Flight ID: 20180821H1

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/20180821H1

Local Met Data	Takeoff PHNL (0203Z)	Landing PHNL (0955Z)
Dynamic Corrections		Yes
AttackAngleIntercept		2.31252
AttackAngleSlope		6.06758
SlipAngleIntercept		0.4295
SlipAngleSlope		7.17033

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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.

AAMPS Data System rebooted at 03:03:33z during transit to storm. No science mission data was impacted. 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 -----
Dro sondes	22	20	20
Test sondes	0	0	0
AXB T s	3	3	3
AXCP s	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:	20180821H1	FLT #:		AC:	Kahn	Scientists:		Pressure		Dropsondes		
From:	PHNL	ETD:	0200z	CP(s):	Didier	Kathryn Sellwood		A/C Takeoff		Good	Bad	Sent
To:	PHNL	ETA:	1000z		Abitbol	Kelly Ryan				20	2	20
Block Time		Flight Time		Nav(s):	Urato	Sim Aberson		Wx Station Takeoff		BTs		
In:	0957	In:	0955					A/C Land		Good	Bad	Sent
Out:	0151	Out:	0203	FE(s):	Sanchez					3	0	3
					Heystek			Wx Station Land				
Total:	<del>0957</del>	Total:	7.9	FD(s):	Henning							
Sponsoring Org: EMC				SEB:	Patel	CDR Jillene Bushnell		Storm Number ID:		EP142018		
Program: PHX					Greene	John Bravender <i>CPAC</i>		(ie: AL072012)				
Purpose: TDR mission into Hurr LANE				SSA:	Mascaro			TCPOD/WSPOD Mission		NOAA2 0714E LANE		
				AVAPS:				(ie: NOAA2 2418A SANDY)				
AS REQUIRED BY ORM				Y	N	REMARKS		Fix Number	Obs Number	Fix Time	SLP	
VOLCANIC ASH				X				#1	#06	0430z	955	
SCIENCE MISSION WITHIN BDRY LAYER					X			#2	#15	0534z	955	
LACK OF PRECIPITATION					X			#3	#19	0659z	954	
RELATIVE HUMIDITY ≥ 80%				X				#4	#24	0739z	951	
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.

10 10 16 68  
27.9

1949z  
1335 14900

AAMPS rebooted  
 03<sup>97</sup> 03 33

2018-08-21, 03:15:39-09:55:19





