

U.S. Dep't. of Commerce / OMAO / NOAA / Aircraft Operations Center

FLT ID: 20140704N1 From: To:
 FLT #: Blk In: 2318 Z Lnd Time: 2310 Z
 ETD: 1730 Z Blk Out: 1653 Z T/O Time: 1700 Z
 ETE: 8+00 Total Blk: 6.4 Total Flt: 6.2
 Sponsoring Org: HRD Program: PHX Purpose: TDR G ARTHUR

AOC Flight Crew

Aircraft Commander: MOYERS SSA: DEFFEO
 Co-Pilot: MANSOUR MacINTYRE AVAPS: NEWNAM MASCAR
 Navigator: / Scientists:
 Flight Eng: / Scientists:
 Flt Director: HENNING HEFFERAN Scientists:
 SEB: GREENE / Scientists:
 Crew Chief: Visitors: alt: 30.12 / alt 30.09

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	#2 1018.5	Sta 1019.8	#2 1016.6	Sta 1018.7

AS REQUIRED BY ORM	YES / NO	REMARKS
VOLCANIC ASH		
SCIENCE MISSION WITHIN BOUNDARY LAYER		
LACK OF PRECIPITATION		
RELATIVE HUMIDITY AT OR ABOVE 80%		
LARGE AIR-SEA TEMPERATURE GRADIENT		
HIGH SURFACE WINDS		
LONG FETCH AND/OR DURATION OF SFC WIND		
SEA SALT ACCRETION FORECAST		
SEA SALT ACCRETION OBSERVED		

Dropsondes 20 Good: 20 Bad: 0 Sent: 20

AXBT Good: Bad: Sent:

List other data sources in Remarks section

Remarks (Storm VDM Identifier, Mission ID, Fix Times)

VDM
 Fix # Ob Num Fix Time / SLP

Storm Number Identifier (VDM):
 (ie: AL072012)

TCPOD/WSPOD Mission ID: WA01A ARTHUR
 (ie: NOAA2 2418A SANDY)

Remarks:

040/21

http://www.eol.ucar.edu/flight_data

1738Z
 3819N
 7232W

PS4#
 2mb
 lower
 on
 ground
 3mb
 lower
 in
 air

N49RF AOC G Dropwindsonde Log

1953
eye

Flight ID: 20140704 N1

Flight Director: Richard Henning

Mission ID: WAO1A Arthur

Storm/Track: Hurricane Arthur

Pg 1 of 2

Ch. #	Drop #	Sonde ID	Drop Time (UTC)	Lat (°N)	Lon (°W)	Wx Cond.	L5/R5	SFC Prs (mb)	Ob #	R5 Lowest Winds (Ht, Ws, Wd)	L5 Lowest Winds (Ht, Ws, Wd)	Sent Time (UTC)
1	1	112825192	1842	3643.6	73 28.6		R5	1013.4		16.1/283		1906
2	2	112825156	1849	3729.5	7256.1		R5	1007.0				1913
3	3	112825154	1854	3759.4	7234.9		R5	998.0		27.7/264		1916
4	4	112825188	1902	—	—		R5	981.0		10.9/065		1938
1	5	123315013	1909	—	—		R5	1000.0		15.5/119		1942
2	6	112445138	1915	—	—		R5	1007.0		12.2/087		1944
3	7	112825149	1921	—	—		R5	1010.9		9.1/118		1949
4	8	132225098	1941	—	—		R5	1009.5		9.4/150.8		2006
1	9	112445189	1947	—	—		R5	1004.2		21.8/133		2012
2	10	112825191	1953	—	—		R5	996.2		25.0/124		2018
3	11	112815149	2003				R5	994.3		19.0/258		2022
4	12	112825151	2009				R5	1003.8		25.7/329		2035
1	13	112825200	2016				R5	1009.3		—		2038
2	14	112825189	2026				R5	1009.6		—		2049
3	15	132635058	2033				R5	1005.4		22.5/357		2054
4	16	123315030	2037				R5	994.9		—		2103

3881° 07119°

N49RF AOC G' Tropwindsonde Log

Flight ID: 20140704NI

Flight Director: Richard Hennings

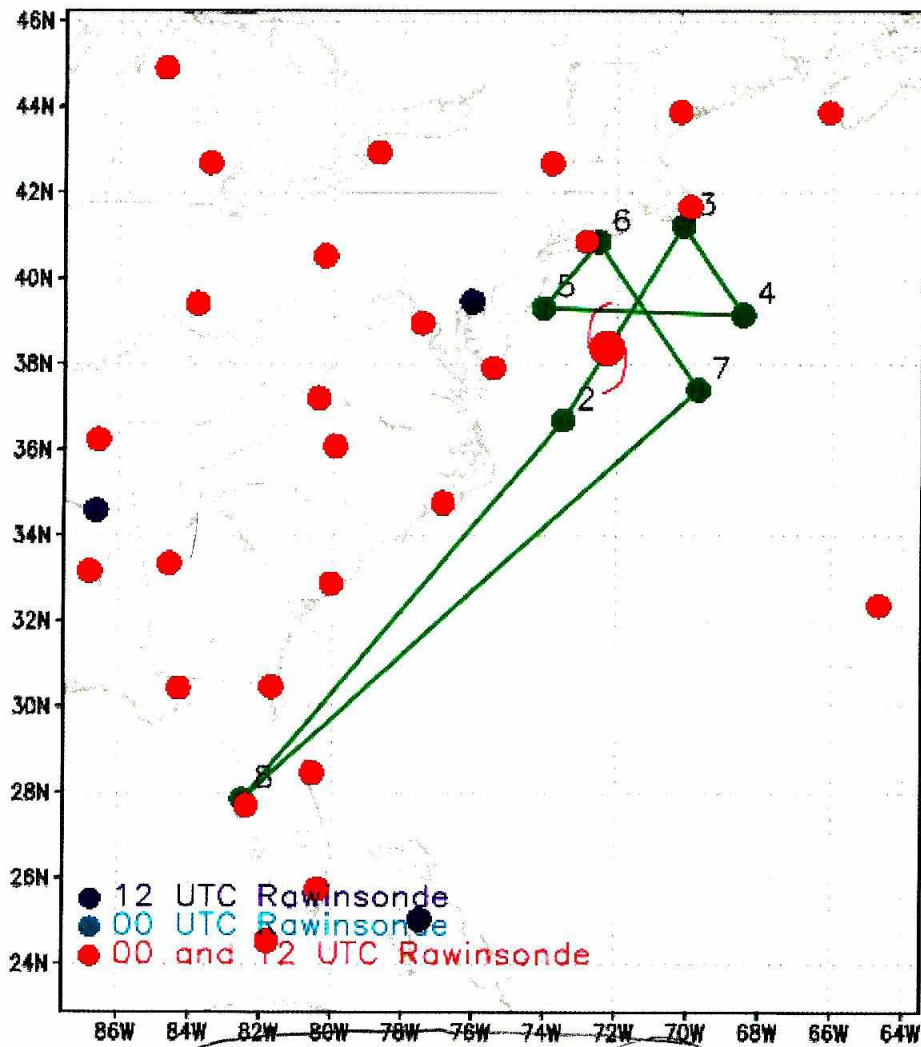
Mission ID: WAO 1A

Storm/Track: Hurricane Arthur

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[illegible]

→ died
3600 ft



266

GrADS: IGES/COLA

83K 429 81 866

2042
39.5
71.9

990.7
645/15
13 m/s
Z

~~2042~~
~~39.5~~
~~71.9~~

997 27 m/s

81 Kts at 968 m/s

2014-07-04-07:25

3819 7232
guess 3830 7210
19132 3843 N
71 SIW