

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

FLT ID: 26140207N1	From: KSUU	To: KSUU
FLT #:	Blk In: 2359 Z	Lnd Time: 2354 Z
ETD: 1800 Z	Blk Out: 1754 Z	T/O Time: 1800 Z
ETE:	Total Blk: 6:05 (6.1)	Total Flt: 5:54 (5.9)
Sponsoring Org: OAR	Program: ATMOSPHERIC RIVERS	Purpose: IOP #2

AOC Flight Crew

Aircraft Commander: MOYERS	SSA: DEFEO
Co-Pilot: MANSOUR, MACINTYRE	AVAPS: SMITH, RICHARDS
Navigator: /	Scientists: RALPH, M
Flight Eng: /	Scientists: INTRIERI, JANET
Flt Director: DAMIANO,	Scientists:
SEB: GOLDSTEIN	Scientists:
Crew Chief:	Visitors: /

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure	1016.8	30.07 / 1016.1	1013.2	29.99 / 1013.9
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	23	Good: 23	Bad:	Sent: 23
AXBT		Good:	Bad:	Sent:

List other data sources in Remarks section

Remarks (Storm VDM Identifier, Mission ID, Fix Times)	Fix #	VDM Ob Num	Fix Time / SLP
Storm Number Identifier (VDM): WXWXA (ie: AL072012)			
TCPOD/WSPOD Mission ID: ATMOSRIVERA (ie: NOAA2 2418A SANDY)			

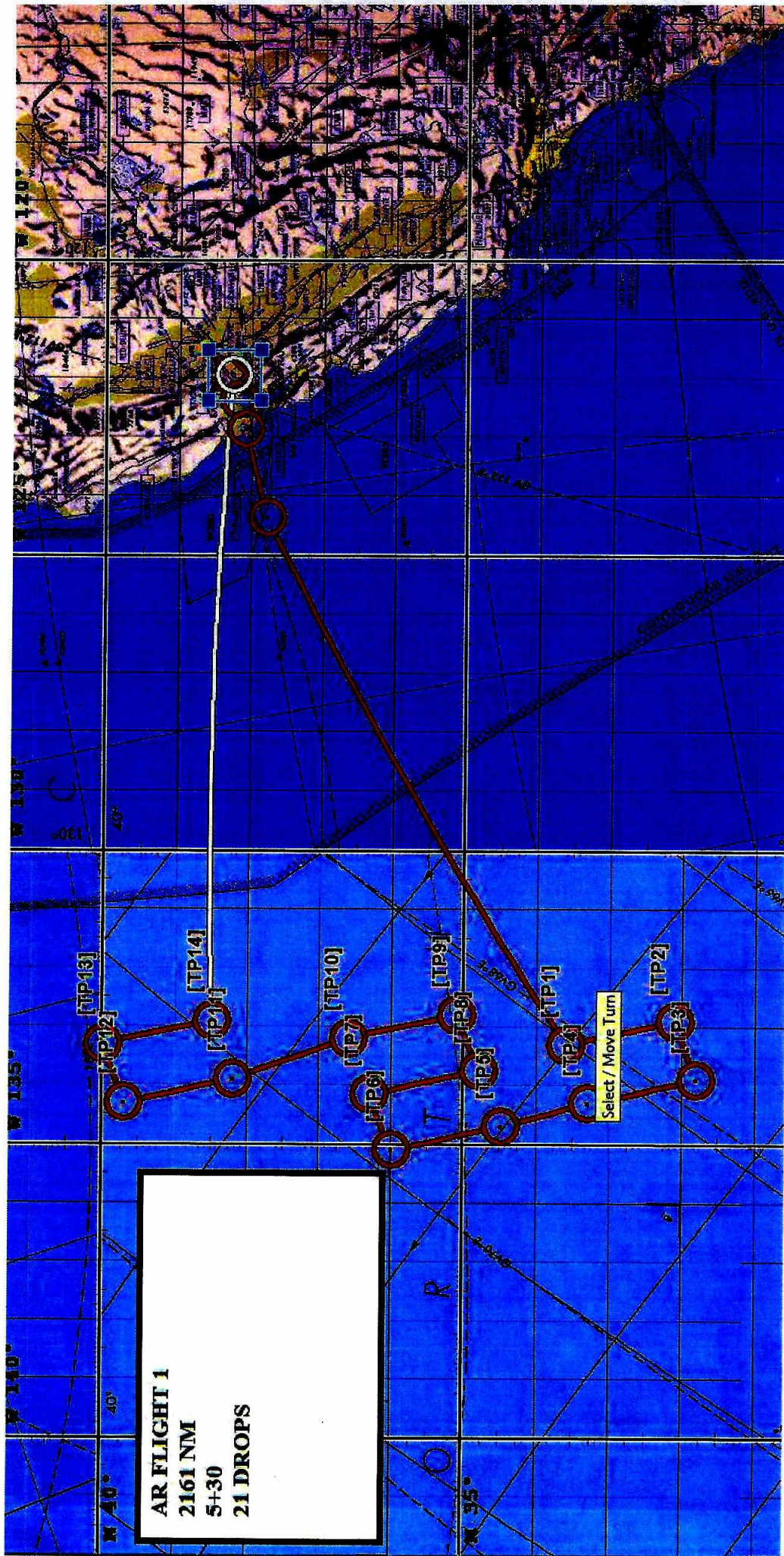
Remarks:

9
9

30.00

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ATMOSPHERIC RIVERS IOC #1
2/17/2014



7:30-16

N49RF AOC GPS Dropwindsonde Log

Flight ID 20140207N1

Flight Director DAN DAND

Page 1 of

Mission ID WXWXA

Storm ATMDSREVER14A

3506 134 48

205455

Drop#	Sonde ID#	Time (UTC)	Lat (°N)	Lon (°W)	Sfc Pres mb	WX Cond.	Comments	OB #	SatComm Failure	Send Time (UTC)
1	123315018	200004	33.6	135.3	1015.5	CLR/CLD	Sfc winds	1		2048
2	123125134	200606	32.9	135.1	1017.2	CLR/CLD	222/10.4	2		2103
3	123315021	201242	32.10	134.9	1017.8	CLR/CLD	229/17.6	3		2121
4	123315055	202155	31.79	135.91	1017.3	CLR/CLD	233/8.3	4		2127
5	123315035	202847	32.5	136.08	1016.0	CLR/CLD	217/7.0	5		2139
6	123315056	203541	33.30	136.3	1014.6	CLR/CLD	223/9.4	6		2148
7	112825165	203912	33.7	136.43	1014.4	CLR/CLD	221/9.0	7		2155
8	123315018	204620	34.5	136.70	1012.5	CLR/CLD	215/11.9	8		2215
9	123315044	20524	35.19	136.88	1011.2	CLR/CLD	219/11.9	9	CH3	2225
10	112825171	205917	36.00	137.10	1009.9	CLR/CLD	189/6.0	10		2232
11	112815179	210553	36.30	136.15	1010.6	CLR/CLD	209/4.9	11	CH4	2237
12	123315031	211314	35.57	135.96	1011.0	CLR/CLD	296/2.3	12		2241
13	112545106	211935	34.80	135.75	1013.1	CLR/CLD	213/11.7	13		2245
14	112825169	212705	35.10	134.80	1012.4	CLR/CLD	N0.5Kwind	14		2250
15	112615032	213903	35.79	134.98	1011.8	CLR/CLD	272/4.3	15	CH2	2304
16	112615074	214117	36.60	135.20	1009.6	CLR/CLD	219/6.9	16		2307
17	112825168	214849	37.41	135.55	1008.9	CLR/CLD	219/9.3	17		2311
18	112825167	215555	38.20	135.90	1006.8	CLR/CLD	245/8.3	18		2314
19	112815180	220150	38.98	136.08	1006.9	CLR/CLD	246/6.9	19	CH4	2317
20	112815029	220851	39.70	136.30	1005.1	CLR/CLD	258/6.3	20		2320
21	112615119	221524	40.00	135.31	1005.4	CLR/CLD	259/9.4	21		2324
22	112615033	222233	39.32	135.12	1006.0	CLR/CLD	249/10.1	22		2327
23	112445132	222907	38.50	134.80	1007.4	CLR/CLD	239/8.4	23		2329

210123

REACT

PRIORITY ←FF→		ADDRESSEE(S)									
FILING TIME		ORIGINATOR									
SPECIFIC IDENTIFICATION OF ADDRESSEE(S) AND/OR ORIGINATOR											
3. MESSAGE TYPE ←(FPL		7. AIRCRAFT IDENTIFICATION — N O A A 4 9				8. FLIGHT RULES — I		TYPE OF FLIGHT X			
9. NUMBER — 1 1		TYPE OF AIRCRAFT G L F 4		WAKE TURBULENCE CAT. / M		10. EQUIPMENT — SDFGHIM1RUWXY/S					
13. DEPARTURE AERODROME K S U U		TIME 1 8 0 0									
15. CRUISING SPEED — M 0 7 7		LEVEL F 4 1 0		ROUTE → SGD PYE ZONSO		3336N 13518W 3206N 13454W					
3148N 13554W 3318N 13618W 3430N 13642W 3600N 13706W 3618N 13609W 3448N 13545W											
3506N 13448W 3636N 13512W 3812N 13554W 3942N 13618W 4000N 13518W 3830N 13454W											
16. DESTINATION AERODROME — K S U U											
TOTAL EET HR/MIN 0 6 0 0		ALTN AERODROME → 1 1 1 1		2ND ALTN AERODROME → 1 1 1 1							
18. OTHER INFORMATION EET/ KZAK 0051 KZ 0510											
PBN/ A1B2B3B4B5D1S2											
REG/ N49RF											
SEL/ JQGS											
RMK/ WEATHER SURVEILLANCE FLIGHT											
NOT FOR TRANSMISSION											
19. SUPPLEMENTARY INFORMATION											
ENDURANCE — FUEL/ 07+30		PERSONS ON BOARD → POB/ 10		RDO/		EMERGENCY AND SURVIVAL EQUIPMENT 121.5 → 243 → 500 → 8364					
TYPE OF EQUIPMENT POLAR → DESERT → MARITIME → JUNGLE → GLOBAL → JACKETS → LIGHT → FLUORESCENT →				LIFE JACKETS				RADIO FREQUENCY			
DINGHIES DINGHIES → COVER Yellow /		NUMBER 2		TOTAL CAPACITY 20		OTHER EQUIPMENT → RMK /					
Emergency Phone Number (813) 828-4361 or 813-828-4362 (MacDill Command Post) Pilot Cell Phone 440.622.6424						AIRCRAFT SERIAL NUMBERS AND TYPE OF AIRCRAFT IN FLIGHT 1246 N49RF GLF4					
CREW LIST PASSENGER MANIFEST		ATTACHED ☐ ATTACHED ☒		LOCATED AT: NOAA AOC (813) 828-3310							
NAME OF PILOT IN COMMAND Moyers, Ron NOAA				SIGNATURE OF APPROVING AUTHORITY /s/Ron Moyers		AIRCRAFT HOME STATION OR ORGANIZATION KMCF NOAA/AOC					