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

FLT ID: 20130916I1	From: KCRP	To: KMCF
FLT #:	Blk In: 2038 z	Lnd Time: 2026 z
ETD: 1730 z	Blk Out: 1728 z	T/O Time: 1736 z
ETE: 3+30	Total Blk: 3.2	Total Flt: 2.8
Sponsoring Org: EMC/MED	Program: PRX	Purpose: Repo

AOC Flight Crew

Aircraft Commander: NELSON	SSA: NAEHER
Co-Pilot: SWEENEY PRICE	AVAPS: NEWNAM
Navigator: SIEGEL	Scientists: (NESDIS) Zorana JELENAK
Flight Eng: DARBY	Scientists (NESDIS) Paul CHANG
Flt Director: HENNING PARRISH	Scientists (UMASS) Joe SAPP
SEB: PEEK, PAUL,	Scientists:
Crew Chief: KREGELKA	Visitors: / /

	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
Pressure		1651z - 29.96 1751z - 29.96		1858 - 3001 1958 - 2999

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		Good:	Bad:	Sent:
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): _____ (ie: AL072012)			
TCPOD/WSPOD Mission ID: _____ (ie: NOAA2 2418A SANDY)			

Remarks:

N43RF ERROR SUMMARY
FERRY FROM KCRP TO KMCF
POST-INGRID

Flight ID: 20130916I1

Sensor or system	Number or Name
INE (for wind derivation)	INE2
Accelerometer	AccZfilterI-GPS.1
Temperature Probe	TTM.1
Dew Point Probe	TDM.2X
Static Pressure	PSM.2
Dynamic Pressure	PQM.2
Vert. Wind	ALTGPS.3 (NOVATEL)
Project Directory	/acdata/2013/MET/20130916I1

Notes:

There were no data gaps.

During the following time periods, the EdgeTech dewpoint sensor (TDM.2) had erroneous output: 175424Z – 175903Z, 180222Z – 180447Z and 192654Z – 193755Z. The erroneous data was removed and replaced with Buck dewpoint sensor (TDM.1) output by direct substitution,

TDM.2 = TDM.1

During the flight there were instances where dewpoint temperature values exceeded derived ambient temperature values resulting in humidity values above 100%. These situations occurred during heavy precipitation events.

All other instrumentation worked optimally.
SPECIAL NOTE!!! The variable names DPJ_GSZ, DPJ_ASZ and DPJ_WSZ in the netCDF file represent vertical ground speeds , vertical air speeds and vertical wind speeds, respectively, computed using Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

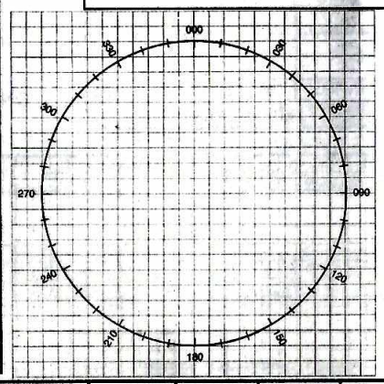
	Takeoff(1736Z)	Landing(2026Z)
Aircraft Static Pressure	1013.3mb	1015.3mb
Corrected Tower Pressure	1012.7mb	1015.7mb

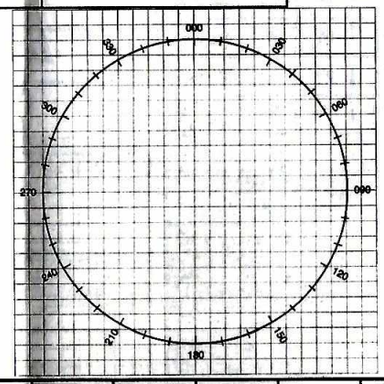
Flight Director: A. Barry Damiano (813) 828-3310 ext. 3073
Rich Henning (813) 828-3310 ext. 3086

CLEARANCES			
FREQ	ALT	HDG	OTHER
	21K		RV V13 PALACIOUS
	FL190		

MISSION LOG

PAGE ___ OF ___





POSITION REPORT

1. POSITION
2. TIME
3. ALTITUDE
4. NEXT POSITION
5. ETA
6. NEXT POSITION

EMERGENCY MESSAGE

TRANSMIT THE FOLLOWING MESSAGE TO ANY AGENCY ON THE AIR-GROUND FREQUENCY IN USE. IF UNABLE TO ESTABLISH COMMS, ATTEMPT CONTACT ON ANY OF THE FOLLOWING EMERGENCY FREQUENCIES:

UHF/VOICE	VHF/VOICE	MF/VOICE	HF/CW	MF/CW
243.0	121.5	2182 KHZ	8364 KHZ	500 KHZ

MAYDAY, MAYDAY, MAYDAY
THIS IS NOAA 43, NOAA 43, NOAA 43

- POSITION _____ N / S
  _____ E / W AT _____ Z
- HEADING _____ TRUE/MAG
- AT _____ KTS TRUE/INDICATED
- FLIGHT LEVEL OR ALTITUDE _____
- WE ARE A P-3 AIRCRAFT WITH 15 SOULS ON BOARD
- NATURE OF EMERGENCY
- ASSISTANCE DESIRED
- PILOT INTENTIONS
- WE HAVE _____ ENDURANCE REMAINING

TIME	FIX TYPE	POSITION	INS 1 POSITION	K ERR	INS 2 POSITION	K ERR	MH	VAR +E==>	TH	DR +R==>	TRK	GS	WD	WS	ALT	TAS	NEXT PT	DIST	TIME	ETA	REMARKS
1720	START																				
1728	TAXI																				
1735	T/O																				
1743	X ✓	N 28 01.7 W 97 20.6	28 01.7 97 20.5	0 +.1	28 01.6 97 20.4	+.1 +.2	037	4E	041	6L	035	245	175	26	↗150	249					
1843	△	28 04.6 91 40.1	28 04.6 91 40.3	0 +.2	28 04.7 91 40.5	+.1 +.2	087	1E	088	0	088	321	076	2	FL150	236					
1943	△	27 58.10 85 31.7	27 57.5 85 30.6	+.5 +1.1	27 53.3 85 29.7	+4.7 +2.0	112	3W	109	0	109	349	267	7	FL230	342					
2026	VANS	HMCF																			
2038	BLOCK																				