

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

FLT ID: <u>20130610H1</u>	From: <u>KM QY</u>	To: <u>KM QV</u>		
FLT #: <u></u>	Blk In: <u>2134</u> Z	Lnd Time: <u>2028</u> Z		
ETD: <u>Z</u>	Blk Out: <u>1449</u> Z	T/O Time: <u>1455</u> Z		
ETE: <u></u>	Total Blk: <u>6.8</u>	Total Flt: <u>6.6</u>		
Sponsoring Org: <u></u>	Program: <u></u>	Purpose: <u></u>		
AOC Flight Crew				
Aircraft Commander: <u>LIBBEY</u>	Data System: <u>BOS100</u>			
Co-Pilot: <u>MARTIN, KERNIS</u>	Avaps: <u></u>			
Navigator: <u>SLDAN</u>	System Engineer: <u>PAUL</u>			
Flight Eng: <u>HEYSTEK</u>	AA: <u></u>			
Flt Director: <u>SEARS</u>	AA: <u></u>			
Avionics: <u></u>	Crew Chief: <u></u>			
Participating Scientists, Visitors, & Add'l Aircrew on back.		# of people listed on back: <u></u>		
Pressure	A/C - Takeoff	Wx Station - Takeoff	A/C - Land	Wx Station - Land
ATIS - Takeoff				
ATIS - Land				
Data Source	Number	Data Disposition / Date / Quality		
Flight Level Tapes				
Radar Tapes				
Dropsondes	Good: <u></u>	Bad: <u></u>	Sent: <u></u>	
AXBT				
List other data sources on back in Remarks section.				
Remarks (Storm Name, Mission ID, Recco Times, Fix Times)		Recco Times:	Fix #	Fix Time
Storm Name: <u>SENEX 3</u>				
Mission ID: <u></u>				

6x 250 GR 10 mi BKN017

RETURN FM 1600
 240 10G17 VCTS BKN035 CB
 KM 2360 27005KT SCT256

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

U.S. Dep't. of Commerce / NMAO / NOAA / Aircraft Operations Center				
FLT ID:	T/O Time:	Z	Lnd Time:	Z
Name (Last, First)	Activity on Aircraft		Affiliation	
WAZIEKE, CARSEN				
POLLACK, ILANA				
GORDON, TIM				
LIAD, JIN				
EDWARDS, PETER				

Remarks:



N42RF ERROR SUMMARY

SENEX 2013 KMQY

10 June 2013



Flight ID: 20130610H1

<u>Sensor or system</u>	<u>Number or Name</u>
Static Pressure Probe	PSM.2
Dynamic Pressure Probe	PQM.2
Total Temperature Probe	TTM.1
Dewpoint Temp. Probe	TDM.2
Vertical Accelerometer	AccZI.1
Altimeter	AltIGPS.1
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/MET/2013/20130610H1

Local Met Data:	<u>Takeoff</u> (1629Z)	<u>Landing</u> (2255Z)
Aircraft Static Pressure	997.7mb	995.7mb
Tower Pressure (corrected)	999.4mb	997.9mb

Notes:

TDM.3 was unavailable for this flight.

After the aircraft returned to MacDill AFB, a few instruments that were installed on N42RF were removed and calibrated in the AOC calibration laboratory. The final Quality Control data sets use the post project calibration coefficients for determining the output of the instruments.

The following parameters that have been updated from the original data set follow.

PDALPHA.2 - Radome Attack Differential Pressure Measured
PDBETA.2 - Radome Sideslip Differential Pressure Measured
PDALPHA.1 - Fuselage Attack Differential Pressure Measured
PQALPHA.1 - Fuselage Attack Dynamic Pressure Measured
PDBETA.1 - Fuselage Sideslip Differential Pressure Measured
PQBETA.1 - Fuselage Attack Dynamic Pressure Measured
PQM.3 - Measured Fuselage Dynamic Pressure, Two Sources --co-pilot
PQM.4 - Radome Dynamic Pressure Measured
TTM.1 - Measured Total Temperature Degree
TTM.2 - Measured Total Temperature Degree

Any derived value using the outputs from the measured parameters listed above have changed slightly from the values measured in real-time.

See SENEX_READ_ME.txt for file information.

Flight Director:

Phone #:

Ian Sears
(813) 828-3310 ext. 3039

Haynesville Shale

est	time	altit	ft	Comments	lat	deg	lat	min	lng	deg	lng	min	lat	lng	point	AGL	MSL
0:00:00		543	KMQY Smyrna		36	0.54	-86		31.2	36.009	-86.52	0	0 AGL				
0:12:00		12000	enroute up										MSL				
0:30:00		12000											MSL				
0:36:00		18000	enroute up										MSL				
1:46:00		18000	enroute down										MSL				
1:54:16	1500				32	39.96	-93		10	32.666	-93.167	1	1 AGL				
2:16:47	1500				31	24	-93		10	31.4	-93.167	2	2 AGL				
2:44:37	1500				31	24	-95		0	31.4	-95	3	3 AGL				
2:51:07	8000	enroute up															
2:57:37	1500	enroute down															
3:07:08	1500				32	39.96	-95		0	32.666	-95	4	4 AGL				
3:34:35	1500				32	39.96	-93		10	32.666	-93.167	1	1 AGL				
3:41:05	8000	enroute up															
3:47:35	1500	enroute down															
3:48:13	1500				31	54	-93		10	31.9	-93.167	5	5 AGL				
4:15:54	1500				31	54	-95		0	31.9	-95	6	6 AGL				
4:22:08	1500				32	15	-95		0	32.25	-95	7	7 AGL				
4:49:43	1500				32	15	-93		10	32.25	-93.167	8	8 AGL				
4:55:56	8000	enroute up			31	54	-93		10	31.9	-93.167	5	5 AGL				
5:02:26	1500	spiral down			31	54	-93		10	31.9	-93.167	5	5 AGL				
5:15:40	1500				31	54	-94		2.58	31.9	-94.043	9	9 AGL				
5:29:18	1500				32	39.96	-94		2.58	32.666	-94.043	10	10 AGL				
5:34:02	8000	enroute up			32	24	-94		2.58	32.4	-94.043	11	11 AGL				
5:40:32	1500	spiral down			32	24	-94		2.58	32.4	-94.043	11	11 AGL				
5:53:42	1500				32	24	-93		10	32.4	-93.167	12	12 AGL				
6:11:42	18000	enroute up										MSL					
7:33:37	18000	enroute down										MSL					
7:50:37	543	KMQY Smyrna			36	0.54	-86		31.2	36.009	-86.52	0	0 AGL				