

AROBEX

Mission #1 (Ferry Seattle to Anchorage)

Flight #1 000217H

<u>Sensor or system</u>	<u>Number or Name</u>
INE	2
Accelerometer	2
Temperature Probe	2
Dew Point Probe	1
Altitude (for vertical wind)	RA-159
Static Pressure	Rosemount Fuselage
Dynamic Pressure	Rosemount Fuselage
Time Source	Micro 99
Constants File	CO2002.CON

Notes:

Takeoff: 1819Z

Land: 2257Z

There was a time gap from 2118:40 to 2119:00

Dewpoint (DW1) had a spike removed and patched from 2140:01 to 2140:40. Dewpoint exceeded ambient temperature several times during flight as aircraft flew through saturated conditions.

Radar altitude (RA-159) was replaced by RA-232 prior to and during takeoff due to spikes (1816:00-1822:03). RA-159 had three spikes removed and patched (1832:00-1833:00, 1842:00-1842:30, 1843:15-1843:45). The RA-159 was replaced by RA-232 (with a 50 meter offset) due to RA159 being placed in standby mode (for communication reasons) from 1907:23-1923:31. RA-159 had 26 spikes removed and patched [1931:30-1932:00, 1936:00-1937:00, 1948:30-1949:30, 1953:00-1954:00, 2018:30-2019:30, 2029:30-2030:30(2), 2036:30-2037:30, 2040:00-2140:30(3), 2047:00-2048:00, 2057:30-2058:00, 2059:00-2100:30(2), 2114:30-2115:00, 2116:00-2116:30, 2140:00-2140:30, 2149:30-2150:00, 2154:30-2155:30, 2202:00-2203:00, 2206:30-2207:00, 2225:30-2226:00, 2250:30-2251:30, 2252:30-2253:00, 2253:30-2254:00]. The RA-159 was replaced by the RA-232 prior to and during landing due to RA-159 being put in standby mode for communications (2227:15-2259:00).

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1023.6 mb	1004.7 mb
Corrected tower pressure	1023.0 mb	1010.2 mb

The aircraft INE positions were renavigated with respect to GPS.

SPECIAL NOTE!!!

Locations 80, 81 and 82 of record five on the standard tape contain vertical ground, vertical air and vertical speeds, respectively, computed using Dave Jorgensen's vertical wind algorithm.

It is recommended that these values be used for vertical wind analysis.

Flight Director: Tom Shepherd, (813) 828-3310 ext. 3053

Flt ID: 000217H	From: KBFI	To: ANC
Flt No.: 00-25 00-25	Blk In: 2304Z	ATA: 2257Z
ETD: 18Z	Blk Out: 1805Z	ATD: 1819Z
ETE: 23Z	Blk Time: 4:59 S.O	Flt Time: 4:38 4.6
Sponsor Org: NOAA/NES OIS	Program: AROBEX	Purpose: FERRY SEA TO ANC

AOC Personnel

AC: KENUL, P	Sys Eng: MCMILLAN, S ✓
CP: TAGGART, B ✓	Data Sys: HORN BROOK, C ✓
Nav: NEWMAN, C ✓	Radar:
FE: TORREY, R ✓ / MOORE, H ✓	GPS/BT: CARPENTER, D ✓
Avionics: ROGERS, M ✓	Cld Phys:
FD: CZYZYK, S ✓ / SHEPHERD, T ✓	CURRY, J ✓ / BROWN, Z ✓

Participating Scientists/Visitors/AOC

Name (Last, First)	Activity on Aircraft	Affiliation
CHANG, P ✓	P.I.	NES OIS
CARSWELL, J ✓	C-SCAT	UMASS
CASTELS, A ✓	KU-SCAT	"
CONNER, L ✓	SCIENTIST	UCLA
BROWN, E	Supply	AOC

Proposed/Actual Mission/Remarks (Recco, Fixes, Storm, PENET, NHOP #)

RD-159 STANDBY 1907:30 Back on @ 1921 FL220 Called N^o FRODOEN re/min
 " 2230 " 2245 FL100 NO LUCK
 TAN DOWN REBOOT ~2205-2212
 SYSTEM DOWN 2258Z

U.S. Dept. of Commerce/NOAA/Aircraft Operations Center

AOCWF2

Flt ID: 000217H		Time Off: 1919Z		Time On: 2257Z	
	A/C (Take Off)	Wx Stn (Take Off)	A/C (Land)	Wx Stn (Land)	
Pressure	1023.6	30.21		29.83	
	Number	Data Disposition/Date/Quality			
Slow/Fast Flt Lvl Tapes	2				
Radar Tapes	4				
Cloud Physics Tapes					
Video Tapes					
Flt Lvl Data Printout	1				
AXBT					
AXCP					
AXCTD					
GPS					
Video					
	Forward	Left Side	Right Side	Down	Remarks
Time On					
Time Off					
Rate					
Remarks					

Form 413-50

TIME	LAT	LONG	TIC	HID	TA	TO	WD	WS	PA	SA	PS	SP	REMARKS
18185L													TAKEOFF
184400	4835	12455	320	320	-29.3	-52.1	324	24.7	6158	5435	460.7	943.8	LEVEL 18K CLR
190300	4941	12532	317	320	-33.4	-46.1	355	27.1	6723	6484	426.9	999.9	LEVEL 22K
193300	5125	12759	316	316	-31.9	-50.3	308	16.2	6724	6720	426.9	1023.4	LEVEL FL220
200800	5329	13109	320	315	-33.3	-37.3	229	27.5	6721	6686	427.0	1025.3	LEVEL FL220 THIN CLOUDS
203745	5514	13425	312	303	-35.8	-38.7	222	47.2	6720	6626	427.0	1027.7	IN THIN CI LVR
211200	5703	13818	309	301	-37.4	-38.6	217	41.4	6719	6561	427.2	1023.2	JUST @ top of ci
213500	5808	14059	309	308	-29.6	-49.7	302	35.4	6591	6414	435.		DESCEND
214815	5845	14232	302	298	-14.4	-16.6	184	23.0	3178	3059	685	1010.8	LEVEL 10K RADAR IN TH CLOUD
220300	5923	14413	307	305	-13.6	-14.1	168	22.9	3157	3024	687.2	1008.4	IN THIN CLO
222424	6013	14650	301	300	-16.7	-17.1	127	15.9	3155	3019	687.4	1012.6	BUOY 46061
222540	6016	14700											MONTAGUE ISL SCIENCE OVER LAND

REMARKS
Needles 5
523
477

A musical score for a string quartet, featuring four staves with various musical notations including notes, rests, and dynamic markings. The notation is in a standard musical staff format with a treble clef and a key signature of one flat. The score includes various musical symbols such as notes, rests, and dynamic markings like 'f' and 'p'. The notation is in a standard musical staff format with a treble clef and a key signature of one flat. The score includes various musical symbols such as notes, rests, and dynamic markings like 'f' and 'p'.

