

FLT ID: 990220I	FM: BIKF	TO: BIKF
FLT NO: 99-18	BLK IN: 2217	ATA: 2209Z
ETD: 16Z	BLK OUT: 1542Z	ATD: 1548Z
ETE: 22Z	BLK TIME: 6.35 6.6	FLT TIME: 6'24 6.3
SPONSOR ORG: NOAA/NESDIS	PROGRAM: SHOWS	PURPOSE: ICELAND #2

0AO PERSONNEL

AC TENNESEN, D	SYS ENG MENAMARA, R ✓
CP KENUL, P	DATA SYS
NAV KOZAK, S ✓ / NEWMAN, C ✓	RADAR BARR, J ✓
FE WADE, S ✓ / MOORE, H ✓	BT/ODW
RADIO SANS SAUCE, D ✓	CLD PHYS
FD C2424K S	DOPPLER WINTER, D ✓

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
CHANG, P ✓	P.I	NESDIS
CARSWELL, J ✓	SCATS SCATS	UMASS
BOND, N ✓	RADAR/MET	PMEL
RYERSON, T ✓	CO POD	NOAA/AL

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

U.S. DEPT. COMM./NOAA/ORA - DATA SECTION WORK FORM NO.2 OROWFZ FILE

FLT ID: 990220 I TIME OFF: 1548Z TIME ON: 2209Z

A/C T/O

WX STN

A/C LAND

WX STN

PRESSURE

983.1

29.21

984.0

NO

DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

2

FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

AXBT

AXCP

ODW

GPS

14

PHOTOGRAPHY

FWD

LS

RS

VERT

ON

OFF

RATE

REMARKS

990220I

TIME	LOT	LOW	TK	HD	TA	TD	LD	WS	PA	GA	PS	SP	REMARKS
160540	6500	2245	3	5	-36.9	-39.8	15	17.5	5203	4703	555.5	995.4	LEVEL 17K
1620	6605	2275											INT OUT CLOUD
164200	6733	2211	72	68	-22.0	-24.5	30	35.8	3415	3026	664.8	987.7	LEVEL 10K CLOUD LAYER BL0
165607	6744	2053	71	65	-21.6	-22.6	25	43.7	3416	3009	664.7	985.0	MAP 1
1702													DESCEND TO 1K
1711													CLIMB
171800	6820	1845	22	25	-23.7	-30.3	37	49.5	3496	3055	658.0	985.0	LEVEL 10K
172451	6842	1822	21	25	-24.2	-30.9	32	51.9	3491	3059	658.5	986.8	MAP 2
180639	6747	1936	271	281	-23.3	-34.7	27	51.0	3487	3064	658.8	985.3	MAP 3
184726	6732	1757	357	3	-24.8	-27.1	41	31.6	3477	3026	659.6	984.3	MAP 4
185915	6752	1836	237	230	-24.5	-27.6	36	44.9	3474	3037	659.8	985.8	MAP 5
190400	6737	1910	226	230	-24.5	-24.5	22	40.6	3474	3047	659.7	986.5	MAP 6
191045	6714	2018	224	231	-23.5	-34.7	11	49.4	3472	3051	660.0	986.2	MAP 7
202140	6650	2000	203	204	-24.4	-31.5	14	38.8	3476	3057	659.7	988.1	MAP 8
203332	6646	2148	271	280	-22.7	-25.4	12	35.5	3475	3088	659.7	989.3	MAP 9
205144	6633	2059	90	82	-24.0	-30.5	9	34.0	3477	3071	659.6	989.2	MAP 10
205741	6633	20	88	83	-24.6	-34.0	22	24.8	3477	3059	659.6	988.5	MAP 11 NO WIND
210125	6633	1922											MAP 12
211447	6631	2005	269	275	-24.9	-30.3	26	25.8	3483	3019	659.1	989.2	MAP 13
212919	6609	2121	134	130	-24.2	-34.5	356	39.6	3476	3079	659.1	990.5	MAP 14

SHOWS

Flight #07 I990220 IOP #07 (Mission out of Iceland)

<u>DATA TYPE</u>	<u>SENSOR or OPTION</u>
INE	1
Accelerometer	1
Temperature Probe	1
Altitude (for vertical wind)	RA232
Static Pressure	Fuselage
Dynamic Pressure	Fuselage
Dewpoint Probe	1
Constants file:	CO3991.con

Notes:

There were no data/time gaps.

Sensors operated optimally during most of the flight.

The static pressure sensor, PSF, had a data glitch from 1754Z - 1757Z. The spike was removed and patched over.

The dynamic pressure sensor, PQF1, had a data glitch from 2134Z - 2137Z. The spike was removed and patched over.

The dynamic attack pressure sensor, DAP, had a data glitch from 1710Z - 1712Z. The spike was removed and patched over.

Downward spikes in radar altimeter data are a result of overflying land.

Aircraft inertial 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 wind speeds, respectively, derived from Dave Jorgensen's vertical wind algorithm. It is recommended that these values be used for vertical wind analysis.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	983.1mb	984.0mb
Corrected tower pressure	984.0mb	N/A

Flight Meteorologist: A. Barry Damiano, (813) 828-3310 ext. 3073

MI

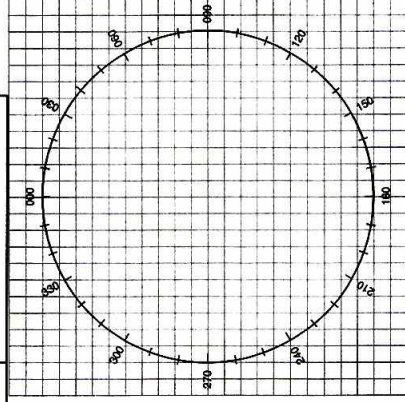
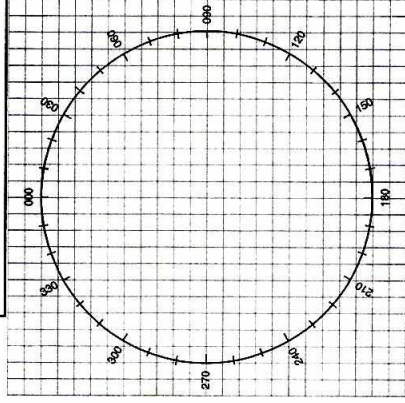
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CLEARANCES

[illegible]

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 _____, NOAA _____**

- POSITION _____ N/S _____
E/W AT _____ Z _____

- HEADING _____ TRUE/MAG _____
- AT _____ KTS TRUE/INDICA _____

- FLIGHT LEVEL OR ALTITUDE
- WE ARE A P-3 AIRCRAFT WITH

- NATURE OF EMERGENCY
- ASSISTANCE DESIRED
- OBJECT INTENTIONS

- PILOT INTENTIONS
- WE HAVE
- ENDURANCE REMAINING

[illegible]