

FLT ID: 970219N	FM: SNN	TO: SNN
FLT NO: 97-48	BLK IN: 0105	ATA: 0100Z
ETD: 1730Z	BLK OUT: 1737Z	ATD: 1747Z
ETE:	BLK TIME: 7:28	FLT TIME: 7:13
SPONSOR ORG: NSF	PROGRAM: FASTEX	PURPOSE: LOW 42 OVER NORTH SEA

DAO PERSONNEL

AC: PLAYER / PHILIPPSBORN	SYS ENG: FOLDSTEIN
CP: FINKE	DATA SYS: PRADAI-BERGNES
NAV: 21	RADAR:
FE: KITSON	BT/ODW: HILL
RADIO: SANS SOUCE	CLD PHYS:
FD: DAMIANO	DOPPLER:

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
CAMMAS	PI	FRANCE
BAEHR	OBS	FRANCE
SHAPIRO	ASST. PI	WPL
BARTELS	HAPS	NSSL

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

AVAPS Lock UP 2323Z

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 OAOWF2 FILE

FLT ID: 970219N TIME OFF: 1747Z TIME ON: 0100Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1002.6	1000 mb	1011.9	1010

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

AXBT

AXCP

~~ODW~~ GPS : 39

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

970219N

125
470

TIME	LAT	LOA	TRK	HD	WD	WS	TA	TD	PA	GA	PS	PQ	
181200	5450	0540	50	44	255	43	-52	-57.7	11910	11572	93	91.7	ABU CLD
182200	5541	0350	52	48	250	28	-49.9	-58.3	12360	12058	179.4	75.9	ABU CLD
183410	841	0130	53	52	235	28	-59.4	-58.0	12367	12017	179.5	86.9	DROP
183907	5705	0029	54	52.5	238	32	-54.7	-58.7	12369	12031	179.4	90.5	no P DROP
184443	5732	0042	55	55	231	30	-55.8	-57.8	12373	12032	179.3	89.6	DROP
184944	5755	0147	56	56	232	32	-55.5	-58.9	12373	12038	179.2	88.5	DROP
185442	5819	0253	57	57	229	29	-56.3	-58.9	12375	12051	179.2	91.1	DROP
185942	5841	0400	58	57	237	27	-58.1	-61.7	12376	12043	179.2	87.3	DROP
190417	5905	00439	308	296	237	31	-58.2	-61.9	12372	12037	179.1	88.1	DROP
191045	5925	0322	296	289	222	26	-55.1	-62.0	12370	12004	179.4	89.4	DROP
191849	5949	0144	295	286	234	34	-55.2	-60.7	12372	11971	179.3	89.1	DROP
192735	6014	0005	293	285	233	30	-54.4	-59.7	12371	11923	179.3	89.6	DROP
193549	6036	0151	292	284	220	29	-56.6	-60.2	12368	11913	179.5	90.2	NOT DROP
193824	6043	0227	291	283	221	29	-56.5	-60.3	12368	11857	179.5	87.9	DROP
194404	6104	0349	359	0	219	26	-56.8	-60.5	12377	11827	179.2	90.9	DROP
195132	6148	0251	35	34	215	24	-57.4	-61.5	12368	11841	179.3	89.7	DROP
195750	6230	0146	36	35	213	21	-57.4	-61.8	12373	11837	179.4	90.2	DROP
200228	6257	0053	78	83	199	21	-58.2	-62.8	12372	11868	179.3	89.5	DROP
201111	6239	0118	111	115	203	23	-59.7	-64.1	12368	11878	179.4	90.0	DROP
202456	6201	0440	114	117	204	21	-59.8	-63.9	12372	11947	179.4	90.2	DROP
202825	6150	0530	115	119	214	22	-60.1	-63.5	12369	11951	179.4	89.4	DROP
203110	6141	0609	115	119	217	22	-60.2	-63.5	12372	11952	179.4	90.5	DROP
203427	6142	0651	358	348	228	26	-60.1	-64.1	12369	11946	179.4	90.2	DROP
204109	6226	0557	330	322	219	26	-60.4	-63.8	12371	11941	179.3	91.0	DROP
204618	6259	00515	330	322	218	26	-60.5	-63.7	12366	11882	179.5	88.7	DROP
205905	6423	00320	324	317	206	27	-63.3	-65.4	12594	12105	171.8	83.2	DROP
211735	6612	00000	321	313	209	27	-62.3	-65.9	12931	12388	163.1	82.3	DROP
213625	6751	0403	231	224	200	25	-63.8	-66.1	12935	12293	163.0	81.2	DROP
214631	6650	0455	197	195	188	28	-62.0	-65.0	12930	12301	163.1	80.5	DROP
215825	6537	0548	196	194	192	25	-62.1	-65.0	12927	12309	163.2	81.2	DROP
220957	6425	0636	195	194	196	25	-60.6	-64.4	12927	12316	163.2	81.5	DROP
222111	6314	0719	194	195	212	27	-58.3	-63.8	12926	12322	163.3	81.4	DROP
223243	6206	0800	184	185	222	24	-57.9	-62.1	12923	12343	163.3	81.4	DROP
224111	6107	0746	79	77	230	26	-58	-62.2	12923	12360	163.4	80.1	DROP
225732	6231	0425	208	295	220	25	-57.9	-61.4	12933	12363	163.0	82.4	DROP
230819	6232	0700	270	265	217	24	-57.4	-61.6	12925	12350	163.3	80.1	DROP
232706	6206	1010	136	142	221	28	-58.3	-63.0	12919	12301	163.4	81.0	DROP
233131	6143	0925	137	142	223	25	-57	-62.6	12917	12319	163.4	80.6	DROP
234000	6056	0806	172	178	237	26	-55	-60.9	12922	12374	163.4	82.4	DROP
235753	5935	0814	183	189	241	34	-55.3	-60.2	12921	12411	163.4	81.4	DROP
000303	5818	0822	183	191	255	36	-53.5	-59.7	12921	12486	163.3	80.6	DROP
001421	5700	0830	183	190	258	32	-55.4	-60.9	12918	12550	163.5	83.6	DROP
002600	5540	0839	184	192	259	41	-54.8	-60.5	12918	12619	163.4	80.9	DROP

FASTEX

Flight #17 N970219 (Polar low over North Sea)

DATA TYPE

SENSOR or OPTION

INE	VEW_PITR
Accelerometer	ACINS_PITR
Temperature Probe	AT1
Altitude (for vertical wind)	PALT
Static Pressure	PS1M
Dynamic Pressure	QC1M
Dewpoint Probe	DPRC

Notes:

No dynamic corrections were applied to the measured static and dynamic pressures. Thus wind direction and wind speed may not be representative of actual flight level conditions.

The AVAPS dropsonde system locked-up at 2323Z. Data from sondes in the air at that time was lost.

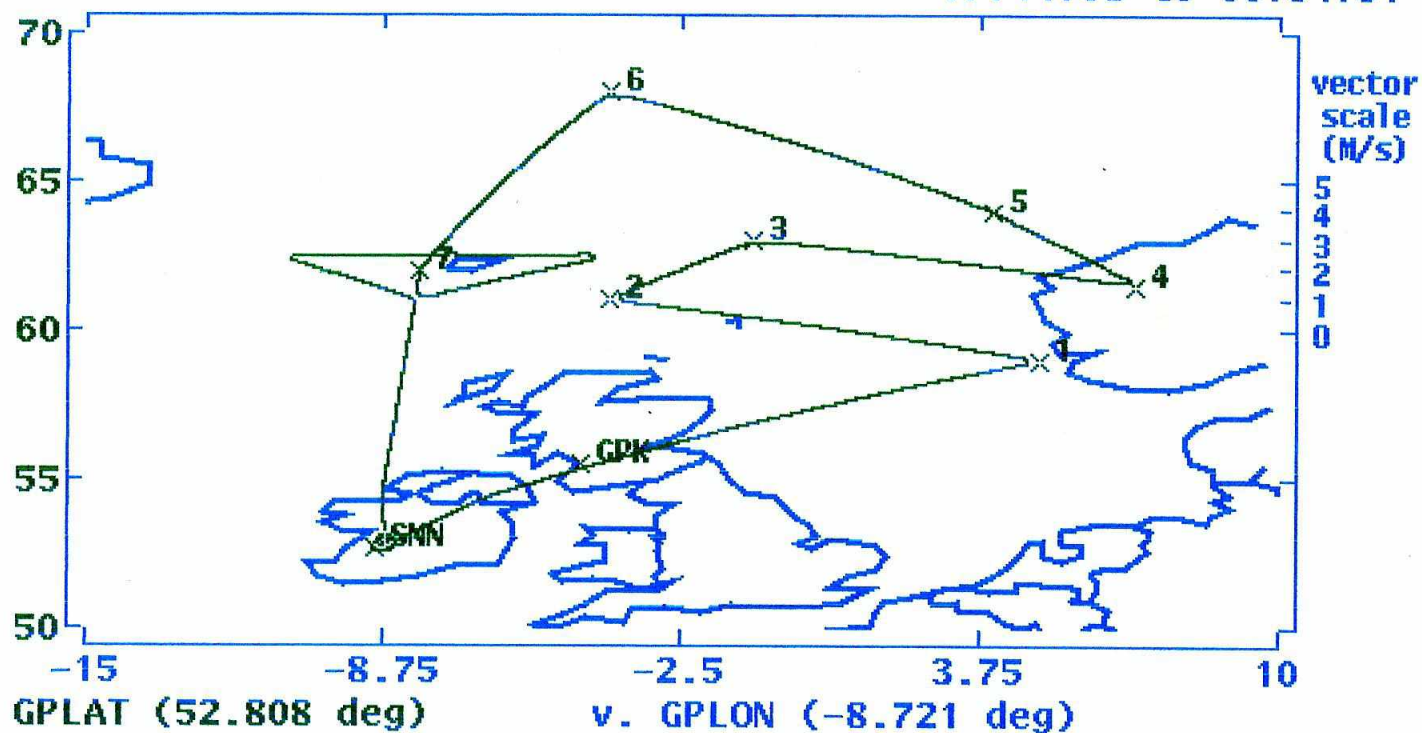
Dropsonde data and event switch information ARE NOT on the tape.

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

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1002.6mb	1011.9mb
Corrected tower pressure	1000.0mb	1010.0mb

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

17:44:08 to 00:54:51



ASAEHR

GS-IV Flight Plan
 LOW 41
 Shannon - Shannon
 Take-off: 1730Z
 Landing: 2347Z
 Flight Dur.: 6H17mn
 Dist: 2700 nm

35 dropsondes

WYPt	Longit.	Latitud	Distan.	Wind FF	Wind DD	Tsg.	Ttot	Tutc	T. Dist	NSd.	DSd.
1	-8.92	52.70	.00	83.23	261.36	00.00	00.00	17.30	.00	0	0
2	5.11	59.12	606.70	72.62	236.67	01.12	01.12	18.42	606.70	0	07
3	-3.84	60.95	289.51	58.81	203.63	00.40	01.53	19.23	896.20	0	05
4	-1.02	62.97	144.96	66.59	192.02	00.17	02.10	19.40	1041.16	0	03
5	7.06	61.45	243.39	59.08	230.22	00.31	02.42	20.12	1284.55	0	0
6	3.80	63.93	173.99	64.76	251.60	00.25	03.08	20.38	1458.54	0	0
7	-4.10	67.99	310.11	71.72	229.43	00.43	03.51	21.21	1768.65	0	05
8	-8.00	62.16	363.02	68.13	194.95	01.00	04.51	22.21	2131.67	0	04
9	-8.92	52.70	568.58	51.97	238.08	01.25	06.17	23.47	2700.25	0	0

634
 260
 24
 23

57N
 to this lat

