

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.1 OAOWF1 FILE

FLT ID: 980116N	FM: KHNL	TO: KHNL
FLT NO: 98-010	BLK IN: 0416Z	ATA: 0407Z
ETD: 2000Z	BLK OUT: 1943Z	ATD: 1954Z
ETE: 0330Z	BLK TIME: 8.33 8.6	FLT TIME: 8.13 8.2
SPONSOR ORG: NOAA	PROGRAM: NORPEX	PURPOSE:

OAO PERSONNEL

AC PLAYER, G ✓	SYS ENG GOLDSTEIN, A ✓
CP FINKE, M ✓	DATA SYS SMITH, J ✓
NAV	RADAR HORNBUCK, S ✓
FE KITSON, G	BT/ODW
RADIO	CLD PHYS
FD CZ424K, S ✓	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
SHAPIRO, JIM ✓		
GALL, B ✓		
FRANKLIN, J ✓		
GOLDENBERG, S ✓		

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

0824

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 OROWF2

FLT ID: 980116N

TIME OFF: 1954Z

TIME ON: 0407Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1017.6	30.11 30.11	1015.3	30.01

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES		
FAST FLT LVL TAPES		
RADAR TAPES		
DOPPLER TAPES		
DDW CASSETTES		
HARD COPIES		
AXDT		
AXCP		
DDW		
GPS	28	

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

980116N

TIME	LAT	CON	TK	HP	TA	TD	WD	WS	PA	GA	PS	REMARKS
201030	21 25	159 21	284	280	-23.5	-42.5	258	28.8				25K + CLIMBING
202900	21 52	161 25	283	274	-40.4	-64.6	239	44.5				LEVEL 41K
204220	22 48	162 38	317	304	-59.9	-65.1	246	52.0	12565	13071	175.7	DROP 1 INT WIND
210351	24 30	164 20	318	302	-60.8	-65.4	253	64.7	12554	12998	175.9	DROP 2
212556	26 20	166 10	316	296	-60.9	-64.2	251	81.7	12547	12874	176.2	DROP 3 WIND LATE
212955	26 28	166 19										DROP 3 REARAGE
215419	28 10	168 10	319	301	-61.8	-70.4	259	75.5	12546	12729	175.9	DROP 4
222146	30 10	169 51	37	19	-63.4	-74.7	272	82.2	12547	12541	176.2	DROP 5 GOOD PAIR JET
223232	31 20	168 50	36	15	-57.4	-71.8	291	81.4	12539	12474	176.4	DROP 6 LIGHT-TURN
224539	32 40	167 40	36	21	-53.7	-67.8	291	56.1	12545	12378	176.2	DROP 7 GOOD
225813	34 00	166 30	39	28	-50.4	-64.5	288	40.7	12548	12321	176.1	DROP 8
231102	35 20	165 10	42	34	-48.1	-63.9	271	34.3	12545	12225	176.2	DROP 9 GOOD
232243	36 30	163 50	41	33	-46.9	-62.7	269	25.2	12541	12181	176.3	DROP 10
233516												DROP 11
234435	38 50	161 30	42	38	-46.6	-62.9	262	27.8	12541	12098	176.3	DROP 12 GOOD
235648	39 56	159 53			-47.7	-61.4	244	25.6	12542	12090	177.7	DROP 13
000604	39 20	158 30	120	125	-48.6	-62.6	235	33.8	12541	12114	176.3	DROP 14
000802	39 08	158 02	120	126	-49.8	-62.7	230	33.1	12537	12124	176.4	DROP 15 REPLACEMENT
001612	38 40	57 00	119	127	-50.1	-63.7	231	31.7	12541	12167	176.3	DROP 15 NO WIND
001931	39 27	156 30	120	128	-51.1	-63.8	225	45.8	12539	12184	176.4	DROP 15 REPLACEMENT
002845	37 50	155 10	127	138	-54.2	-65.1	231	55.6	12538	12239	176.3	DROP 16
004133	36 50	153 30	122	134	-57.5	-67.6	243	66.6	13692	13693	145.1	DROP 17 LEVEL 45K
0043												LIGHT-MOD TURB
005258	36 00	151 50			-58.9	-68.2	246	82.2			145.0	DROP 18 NO WIND, CLOUD
005500												DROP 18 REPLACEMENT
005910	35 31	150 56	124	139	-58.7	-68.3	246	78.3	13700	13695	145.0	DROP 18B
010732	34 49	150 08	208	219	-58.2	-68.3						DROP 19
013725	32 40	151 30	211	220	-64.9	-72.5	239	83.7	13691	13852	145.2	DROP 20 GOOD
020811	30 30	153 00	209	219	-67.0	-73.8	244	83.0	13690	13966	145.3	DROP 21
023707	28 20	154 20	206	217	-66.6	-73.9	247	86.3	13685	14060	145.4	DROP 22
030637	26 00	155 37	223	226	-69.2	-75.1	239	65.3	13684	14166	145.4	DROP 23

NORPEX

Flight #2: 980116N

DATA TYPE

SENSOR or OPTION

INE

VEW_PITR

Accelerometer

ACINS_PITR

Temperature Probe

AT1

Altitude (for vertical wind)

GPGALT

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.

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

There were several small spikes ($\sim 0.1^\circ$) in DPRC (2038:10-2038:30, 2058:50-2059:15, 2123:45-2124:05, 2149:05-2149:30, 2215:35-2115:55, 2230:50-2231:10, 2253:10-2253:30, 2304:50-2305:10, 2318:20-2318:40, 2330:25-2330:50, 2350:30-2350:55, 0001:25-0001:45, 0024:00-0024:20, 0036:50-0037:10, 0048:00-0048:20, 0100:55-0101:15, 0133:10-0133:25, 0202:40-0203:00, 0231:10-0231:35, and 0301:40-0302:05.

GPGALT had a spikes 2038:35-2039:10, 2216:00-2216:35, 0056:35-0057:10, and 0258:20-0258:50.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1017.6	1019.6
Corrected tower pressure	1015.3	1016.3

Flight Meteorologist: Stan Czyzyk, (813) 828-3310 ext. 3086

U.S. Department of Commerce
National Oceanic and Atmospheric Administration
(NOAA)
Aircraft Operations Center
MacDill Air Force Base,
Florida

ANELE

40N 145W 17/2130Z
42N 158W
40N 160W

ZURIC

24 Drops

Tasking from CARCAH

NOAA9 NORPEX 02

Takeoff (Date/Time): 16/2000Z

Aircraft Type Gulfstream IV-SP
Call Sign NOAA 49
Tail Number N49RF
Altitude Block F410-F450
Airspeed ~Mach 0.72-0.76 450 KTAS (Average)

BRIEF CASE
BLACK FBO

2356Z

Proposed/Final Drop Points

Drop Number	LAT(N)/LONG(W) Degrees and minutes	Dist. (nm)	ETE	ETA Date/Time(Zulu)
	Honolulu (PHNL)	---	---	16/2000
✓1	22 48/62 37 (CANON)	300	0+50	16/2050
✓2-	24 30/164 20	140	0+18	16/2108
✓3	26 20/166 10	150	0+20	16/2128
✓4	28 10/168 10	150	0+20	16/2148
✓5	30 00/170 00	150	0+20	16/2208
✓6	31 20/168 50	100	0+13	16/2221
✓7	32 40/167 40	100	0+13	16/2234
✓8	34 00/166 30	100	0+13	16/2247
✓9	35 20/165 10	100	0+13	16/2300
✓10	36 30/163 50	100	0+13	16/2313
✓11	37 50/162 30	100	0+13	16/2326
✓12	38 50/161 30	100	0+13	16/2339
✓13	40 00/160 00	100	0+13	16/2352
✓14	39 20/158 30	80	0+11	16/0003
✓15	38 40/157 00	100	0+13	17/0016

✓16	37 50/155 10	100	0+13	17/0029
✓17	36 50/153 30	100	0+13	17/0042
✓18	36 00/151 50	100	0+13	17/0055
✓19	30 35 00/150 00	100	0+13	17/0108
✓20	32 40/151 30	150	0+20	17/0128
✓21	30 30/153 00	150	0+20	17/0148
22	28 20/154 20	150	0+20	17/0208
23	26 02/155 35 (ZURIC)	150	0+20	17/0228
	Honolulu (PHNL)	300	1+00	17/0328

POC: LCDR Sean White, NOAA

In Honolulu: 808/923-3111 Room# _____
 Cellular Phone: 813/833-3275

ADD A DRP

*0412
0406*