

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

FLT ID: 980128N	FM: KHNL	TO: KHNL
FLT NO: 98-016	BLK IN: 0349Z	ATA: 0345Z
ETD: 2000Z	BLK OUT: 1942Z	RTD: 1952Z
ETE: 0400Z	BLK TIME: 8:07 8.1	FLT TIME: 7:53 7.9
SPONSOR ORG: NRL	PROGRAM: NORPEX	PURPOSE: #6

OAO PERSONNEL

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

PARTICIPATING SCIENTIST/VISITORS/OAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
SHAPIRO, M ✓	PI	ETL
GALL, B ✓		NLAR
GOLDENBERG, S ✓	HAPS	HRD
BLACK, M ✓	HAPS	HRD

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

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

FLT ID: 980128N

TIME OFF: 1952Z

TIME ON: 0345Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1019.5	30.13	1016.1	30.03

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES		
FAST FLT LVL TAPES		
RADAR TAPES		
DOPPLER TAPES		
ODW CASSETTES		
HARD COPIES		
AXDT		
AXCP		
ODW		
6PS	38	34 sent

PHOTOGRAPHY

	FWD	LS	RS	VERT
ON				
OFF				
RATE				

REMARKS

980128N

TIME	LAT	LOW	TK	HD	TA	TD	WD	WS	PA	GA	PS	REMARKS
2007												2161E
203300	24 58	157 22	339	342	-57.8	-66.0	273	40.6	12556	13100	175.9	LEVEL 41K
204149	26 00	157 30	339	341	-56.7	-68.2	270	47.0	12558	13066	175.8	PROP 2 GOOD 1021.4
211718	30 10	157 54	30	130	-56.0	-68.4	269	73.4	12551	12839	176.1	PROP 3 GOOD 1015.6
212413	31 00	157 26	29	12	-55.6	-68.4	269	77.1	12547	12791	176.1	PROP 4 GOOD 1014.7
213215	32 00	156 39	34	17	-54.2	-67.5	268	84.5	12547	12701	176.1	PROP 5 GOOD 1012.8
2133												LIGHT - MOD TURB
214044	33 00	155 50	28	007	-53.9	-66.9	275	86.8	12546	12621	176.2	PROP 6 INT. WIND 1011.2
214858	34 06	155 10	28	008	-53.3	-66.7	273	87.5	12544	12552	176.2	PROP 7 GOOD 1009.3
215710	35 00	154 30	32	15	-52.2	-66.2	273	79.2	12547	12489	176.1	PROP 8 GOOD 1007.7
220535	36 00	153 40	32	16	-48.6	-64.9	271	78.2	12546	12405	176.2	PROP 9 GOOD 1006.4
221402	37 00	152 50	32	17	-47.8	-63.9	277	68.1	12545	12357	176.2	PROP 10 GOOD 1007.3
222428	38 09	152 10	305	306	-50.1	-64.2	278	62.6	12543	12282	176.3	PROP 11 GOOD 1000.0
223603	39 00	153 10	306	308	-49.9	-65.1	278	56.7	12545	12230	176.2	PROP 12 GOOD 999.8
224713	40 00	154 20	303	305	-49.6	-65.0	269	51.5	12543	12165	176.2	PROP 13 GOOD 997.0
230224	41 00	155 40	303	306	-49.7	-64.8	262	41.9	12544	12120	176.2	PROP 14 GOOD 993.5
231451	42 00	157 00	300	305	-50.2	-64.3	260	34.3	12544	12068	176.2	PROP 15 GOOD 991.4
232749	43 00	158 30	300	305	-49.8	-64.1	258	31.4	12547	12017	176.2	PROP 16 GOOD 989.4
234014	44 00	160 08	260	267	-47.8	-64.1	255	31.0	12543	11962	171.2	PROP 17 GOOD 987.7
234657	44 00	161 00	260	267	-48.7	-64.0	250	30.0	12542	11957	176.3	PROP 18 GOOD 985.9
235322	44 00	162 00										PROP 19 GOOD 976.3
235941	44 00	163 00	260	267	-50.6	-65.2	251	22.0	12542	11932	176.3	PROP 20 GOOD 983.2
000715	43 46	164 00	273	182	-50.5	-65.4	232	18.3	12541	11938	176.3	PROP 21 GOOD 979.4
001332	43 00	164 00	173	184	-48.8	-64.5	242	24.2	12541	11951	176.3	PROP 22 GOOD 975.2
002152	42 00	164 00	173	184	-46.3	-63.3	242	28.9	12543	11981	176.3	PROP 23 GOOD 968.4
003012	41 00	164 00	173	186	-46.0	-62.2	251	32.7	12541	12004	176.3	PROP 24 GOOD 967.3
003100											159.9	CLIMB LOW TO RIGHT
003834	40 00	164 00	173	189	-47.4	-62.5	258	43.4	13127	12675	176.3	PROP 25 GOOD 969.6
004657	39 00	164 00	173	190	-46.3	-62.4	261	46.2	13123	12722	150.0	PROP 26 GOOD 977.7
005529	38 00	164 00	173	192	-48.8	-62.4	256	58.4	13120	12770	160.1	PROP 27 GOOD 983.1
010417	36 59	164 00	173	194	-48.5	-63.5	254	67.4	13121	12831	160.1	PROP 28 GOOD 987.2
011310	36 00	164 00	173	197	-47.4	-63.5	259	76.3	13119	12890	160.1	PROP 29 GOOD 993.0
012219	35 00	164 00	173	198	-47.6	-63.1	252	83.1	13122	12963	160.0	PROP 30 GOOD 996.2
013149	34 00	164 00	185	189	-57.9	-64.3	253	77.5	13121	13036	160.0	PROP 31 GOOD 999.5
014038	32 59	163 50	173	198	-54.7	-66.6	263	75.7	13121	13134	160.0	PROP 32 GOOD 1002.8
014931	31 56	163 50	165	190	-56.3	-67.7	265	79.2	13121	13234	160.1	PROP 33 GOOD 1004.2
015723	31 00	163 40	165	190	-61.6	-69.2	268	72.4	13121	13298	145.1	PROP 34 GOOD 1007.3
020549	30 00	163 30	165	190	-63.7	-71.4	267	78.4	13698	14001	145.1	PROP 35 GOOD 1009.9
021411	29 00	163 20	170	194	-61.8	-71.7	268	66.6	13693	14073	145.1	PROP 36 GOOD INT. WIND 1010.8
022303	28 00	163 20	166	188	-63.9	-71.3	256	68.4	13698	14106	145.2	PROP 37 WAT. WIND 1013.1
023211	27 00	163 10	165	186	-65.8	-72.4	851	62.9	13693	14162	145.2	PROP 38 GOOD 1015.1
024941	25 00	162 50	173	190	-66.5	-72.9	256	50.1	13694	14247	145.2	PROP 40 NO WIND
032330												DESCEND

NORPEX

Flight #7: 980128N

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	DPLC

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.

GPGALT had a spike at 2109:55-2110:15, 2314:00-2314:50, and 0109:40-0110:40 and a spike and offset 2221:00-2128:15.

DAP1 had a spike at 2106:00-21107:00 and 2108:30-2109:20. DAP1 not performing properly 2114:45-2116:00.

Light to moderate turbulence caused some small spikes in several parameters 2131:00-2135:00.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1019.5	1020.3
Corrected tower pressure	1016.1	1016.9

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 33608

5 sent

Mission ID issued from CARCAH

NOAA9 NORPEX 17

Takeoff (Date/Time): 28/2000Z

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)

33N 150
370
EAST
35N
370
EAST

Proposed Drop Points

Locations for dropsonde releases are indicated by a drop number

Drop Number	Location: LAT(N)/LONG(W) (degrees and minutes)	Dist. (nm)	ETE	ETA Date/Time(Zulu)
	Honolulu (PHNL)	---	-----	28/2000 Takeoff
X	24 19/157 17 (ZIGIE)	180	0+30	28/2030 2027Z
✓2	26 00/157 30 157 17 W	100	0+13	28/2043 2042Z 10
✓3	30 11 30 00/158 00 157 33 W	240	0+32	28/2115 2117Z 22
✓4	31 00/157 20	70	0+08	28/2123 2124Z 27 84.6
✓5	32 00/156 40	70	14.0 0+08	28/2131 2133Z 30 90.6
✓6	33 00/155 50	70	13.4 0+08	28/2139 2141Z 24 91.5
✓7	34 00/155 10	70	13.1 0+08	28/2147 2149Z ? 82.5 LATE WIND
✓8	35 00/154 30	70	12.5 0+08	28/2155 2157Z 26 91.4
✓9	36 00/153 40	70	11.7 0+08	28/2203 2206Z 24 90.7
✓10	37 00/152 50	70	10.5 0+08	28/2211 2214Z 32 85.6
✓11	38 00/152 00	70	9.4 0+08	28/2219 2224Z 28 73.4
✓12	39 00/153 10	80	9.3 0+12	28/2231 2236Z 23 64.1
✓13	40 00/154 20	90	7.7 0+13	28/2244 2247Z 18 69.7

			AT	Time	WS	MAX
✓14	41 00/155 40	90	6.7 0+13	28/2257 2302Z	4	52.2
✓15	42 00/157 00	90	5.3 0+13	28/2310 2315Z	8	41.4
✓16	43 00/158 30	90	4.7 0+13	28/2323 2328Z	9	30.6
✓17	44 00/160 00	90	4.6 0+13	28/2336 2340Z	10	30.1
✓18	44 00/161 00	50	4.0 0+07	28/2343 2347Z	17	23.4
✓19	44 00/162 00	50	3.8 0+07	28/2350 2353Z	X	23.2
✓20	44 00/163 00	50	4.4 0+07	28/2357 0000Z	29	21.1
✓21	44 00/164 00	50	3.8 0+07	29/0004 0007Z	35	
✓22	43 00/164 00	60	4.5 0+09	29/0013 0014Z	40	
✓23	42 00/164 00	60	8.0 0+09	29/0022 0022Z	40	
✓24	41 00/164 00	60	7.9 0+09	29/0031 0031Z	40	
✓25	40 00/164 00	60	7.6 0+09	29/0040 0039Z	55	
✓26	39 00/164 00	60	8.4 0+09	29/0049 0440Z	38	
✓27	38 00/164 00	60	9.5 0+09	29/0058 0055Z	40	
✓28	37 00/164 00	60	10.00+09	29/0107 0104Z	40	
✓29	36 00/164 00	60	10.40+09	29/0116 0113Z	38	62.1
✓30	35 00/164 00	60	10.30+09	29/0125 0122Z	32	83.8
✓31	34 00/164 00	60	10.00+09	29/0134 0132Z	42	81.5
✓32	33 00/163 50	60	11.8 0+09	29/0143 0141Z	45	86.4
✓33	32 00/163 50	60	15.50+09	29/0152 0150Z	38	87.7
✓34	31 00/163 40	60	15.70+09	29/0201 0157Z	35	87.4
✓35	30 00/163 30	60	15.6 0+09	29/0210 0206Z	14	86.9
✓36	29 00/163 20	60	18.0 0+09	29/0219 0214Z	35	84.6
✓37	28 00/163 20	60	18.80+09	29/0228 0223Z	33	77.1
✓38	27 00/163 10	60	19.60+09	29/0237 0232Z	30	67.6
39	26 00/163 00	60	0+09	29/0246	41N	164W
40	25 00/162 50	60	0+09	29/0255 0249Z		
41	24 00/162 50	60	0+09	29/0304		

22 48/162 37 (CANON) 70 0+10 29/0314
Honolulu (PHNL) 270 0+40 29/0354 Land

POC: LCDR Sean White, NOAA

Cellular Phone: 813/833-3275
Hotel: 808/923-3111 Room#1049
Airport # 800/821-3122 ext134

Primary
Secondary

556
552

FEDER FMS UPDATE

OBS 20+21
43 N 164 W
OB 20 COR
OB 29

