905 6 1 1 1012 72=155 15-761

ED ODSEDVATION SHEET

_/ <u>V</u> 	1.LLER I	NEE N						22,4	я Б	EL	TEMPER	ATURE
IME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	DIR.	SPEED (Kts.)	SEA WAVE HEIGHT (Ft.)	DIR.	HEIGHT	SEA WATE TEMP.	SEA LEVE PRESSURE (mb)	DRY BULB	WET BULB
01	154°25.642 165°45.30 W	cL	6	4,6	18				3,1	10165	210	1.9
02	54036	_ ان	6	354	22				2.0	10165	210	1,9
03	1650 55 W	CL	6	000	16				2.5	1015.5	-2:1	1.9
04	5-1053.31N	CL	8	005	17	3.5			2.8	1015.1	2.1	1.9
05	164059.71N 164034.21W	CL	8	355	15	3-5			2.3	1015.0	2.0	1.8
06	55013.91N	eL	8	350	17	3 -5			2.2	1014.5	2.0	1.6
07	55008.31 N 163056.81 W	CL	10	350	17	2-4	320	2-4	2.1	10145	2.0	1,5
08	55° DP.8' N	CL	10	340	13	2-4	320	3	2.1	1014.9	4.1	3.2
09	55° 09.0' N 163° 54.1' W	CL	10	340	16	2-4	320	3	2-1	1015.1	2.5	1.9
10	163° 58.0' N	a	10	340	15	2-4	320	3	2.1	1015.5	2.5	1.9
11	550 14.11, N 163° 67.3' W	CL	10	355	15	2-4	320	3-4	2.1	1015.6	2.9	2.2
12	55° 14.8 N 163 578' W	CL	10	355	16	2-4	320	3-4	2.1	1015.5	3.9	2.4
13	550 14.8 N 63 57.1 W	CL	10	350	14	2-4	320	3-4	2.1	1016.0	3.1	2.1
14	1630 17.7 W	CL	10	348	15	4-4	329030		3.1	1016.5	14.4	2.5
15	155 17 4 N	CL	10	355	15	2-4	320/035	3-4	2.1	106.6	4.7	2.6
16	55 23 8 N	CL	10	335	/3	2-4	340	3	2.3	1017-9	3.2	2,
17	16-107-1 N	CL	10	315	13	2-4	020/	34	2.4	12,7.1	1.9	1.3
18	55029.3'N 163051-1'W	()	10	330	11	3-5	020	3-5	2.4	1017.0	11.5	. 8
19	163033.7'W	01	10	325	10	2-4	020	3.5	2.2	106	11.5	1.4
20	57 37.6 W 163 18.4 W	CL	10	312	12	2-4	D70	35	7.0	10/7.c	1,9	[F.
21	55°41.7' N 163°02.5' W	CL	10	315	11	2-4	030	3-4	1.7	1017.1	1.7	,9
22	55-47.2 W	CL	10	311	12	7-3	040	3-4	1.6	1017,4		7.7
23	55.45.9.W 166.31.8.M 55.55.43.N	CL	14	741	4	2-3	035	3-4	15	1015	0.2	0
			14	292	10	2-3	037	12-4	100-7	10184	c 00	10

SUPERSTOPS NOAA FORM 77-13D 17-72). EXISTING STOCK

						DÂY		DATE		TIME ZO	NE	
	MILIERI	FREEM	1 ~			FRICAY	,	23,A	RIL	18		
IME	POSITION	PRESENT	¥±1.0	WIN	D	AVE HT	SWELL	WAVES	P. ER	SEA LEVEL PRESSURE (mb)	TEMPER 0	ATURE
	(Lat. and Long.)	WEATHER	VISIBILITY (N.M.)	DIR. (True)	SPEED (Kts.)	SEA WAVE HEIGHT (FL)	DIR. (True)	HEIGHT (Ft.)	SEA WATE TEMP.	SEA L PRESS (mb)	DRY BULB	WET
01	161, 20.M	CL	4	305	15	3-4			0.0	(018.5	-100	-1-0
02	56°07 N 161°34 W	دل	J	297	13	3-4			-0,3	1018.5	-l.s	<u>-ک،‹‹</u>
03	56°16 N	CL	4	219	15	3-4			-04	(018.0	-185	-2,
04	56022.11 N 160050.3 W	CL	8	285	15	3-5	040	3-4	-, 5	1018.1	-1.2	- 2
05	56025.7'N 160°38.6'W	CL	8	275	14	3-5	040	2-3	6	1018.1	-1.9	-2.
06	56°26.7'N 160°27.8'W	CL	8	280	14	3-4	0-10	2-3	5	1018.1	0.1	- ,
07 -				C	T	D						
08				MO	0 R1	NG						
09	56° 24.9' N 160° 13.0' W	CL	10	305	14	1-2	290	3-4	0.0	1019.8	-0.3	-1.
10	160° 13.3' W	CL	10	300	13	1-2	290	3	0.1	1020.2	-0.6	-/.
11	56026.00 N	CL	10	310	15	1-7	280	3	-0.3	1021.0	-04	-1.
12	156" 17 W	CL	10	305	20	3-4	294	5	-0.6	(0) (0	00	70:
13	160 57.6.N	CL	10	320	19	3-4	290	4-6	-0.6	1021.1	0.9	-6-
14	56°24 N	CL	10	330	17	3-4	312	5-8	-0-6	1022	-1,0	-1,5
15	56°30, 0	CL	10	318	18	3-4	330	5-6	-0.6	1022.	-1.0	-1.0
16	101 09 M	CL	10	320	23	4-6	300	5-7	6	1022.5	.9	0/
17	56032.90N 161030.00W	CL	10	320	25	4-6	300	6-8	7	1023.5	. 5	0.
18	1616 47.2'W	CL	10	345	29	5-7	300	6-8	1.0	1024.0	4.6	2.
19	56035.91N 162006.31W	CL	10	345	24	5-7	300	8-10	8	102:1.9	- 2/	- /-
20	56"30.3 N	CL	10	323	29	4-5	330	6-8	8	1026.1	-6.	-2
21	56" HI . B' N	11-	10	348	30	3-5	070	8-10	7	1026.2	-1.9	-3
22	560 15 1 N	cL	10	339	29	3-5	030	8-10	-1.6		1	-3
23	163°44"HIN	CL	10	353	72	3 -5	035	8-10	-1.1	10291	-2.7	-3.
24	163 3360 W	CL	10	345	28	5-10	018	8-10	-0.4	10300	-3.0	-3 ,0

56.Q'N 49.7'W 67.7'W 67.7'W 67.7'W 73.2'W 73.2'W 73.2'W 73.2'W 73.2'W 73.2'W 73.1'W 74.1'W 75.1'W	PRESENT WEATHER CL CL NIO CL CL CL	O O O O O O O O O O O O O O O O O O O	DIR. (True) 340 3190 3190	SPEED (Kts.) 25 27 21	SEA WAVE	DIR. (True)	WAVES HEIGHT (FL.) 8-10		SEALEVE PRESSURI	DRY BULB	-
19.7 W 675N 48.14 W 51.2 W 14.7 N 19.4 W 3.3 N 19.4 W 3.3 N 16.8 N	CL CL MIO CL CL	10 10 10	340 340 319.0 330 340	25 27 21	7-9	(True) 035	(FL) 8-10	-0.8	1030,0	HULB	aule -ij,
19.7 W 675N 48.14 W 51.2 W 14.7 N 19.4 W 3.3 N 19.4 W 3.3 N 16.8 N	CL CL MIO CL CL	10	319.0 330 340	27	7-91						
675M 48,14W 13.91N 51.2'W 14.7'N 19.35'W 19.4 W 331N 16.9'W 16.8'N	NIO CL CL	10	330 340	21		035	8-10	-0.8	1031.0	-30	. a .
48.14 W 13.91N 51.2 W 47.7 N 19.3 5 W 19.4 W 33.1 N 16.8 N	NIO CL CL	10	340		9-5-		4 1			~~~~	- 3 -
51.2'W 14.7'N 1935'W 19.4 W 3 3 1 N 16.9'W	CL CL	10		, ,			8-10-	-0,6	1032.0	-2.0	·2.2
935 W 194 W 331 N 691W	CL	 		25	4-6		8-10	-3.6	1032.0	-40	-42
19.4 W 3 3 1 N 16.91W 16.8' N		۱. ۵	350	24	4-6	035	8-10	-, /	1031.5	-2.5	-3.
16.8' N	01	10	322	20	3-5	350	7-10	0.30	1032.0	3.5	-3,5
16.8' N		10	330	20	3-5	340	7-9	0.30	1032.1	-30	-3.
15.01 45	CL	10	325	20	4-54	290	7-9	0.3	1032.2	-3.0	-3,
51.3 ! N 55.9' W	CL	18	315	20	4-6	290	6-8	-0.1	1032.1	-3.1	-3.
52.0° N 03.8° W	CL	10	305	18	4-6	290	516	-0.2	1032.1	-2.0	-2.
51.5' N	CL	10	305	14	4-6	290	5-6	-0.3	1032.0	-1.4	-/.4
.56 N	CL	10	318	14	4-6	288	5-6	0-3	10326	0	0
52.6		10	310	17	4-6	290	5-6	-0.4	1631.9	1.4	1.5
.5 ' N		10	300	17	4-6	290	4-6	-0.4	1031.4	2.5	1,1
2412		10	290	А	4-60	290	4-6	0.4	1031.0	0.9	٥. °
2.9 7		10	288	17	4-6	270	6-7	0.3	1030.5	1.5	0,4
		10	300	22	3.5	240	8-10	-0.27	1030,1	1.8	0.9
52.4 N		10	300	22	3-5	270	6.8	-0.36	10302	0.6	೦್ಯ
52 2 N	Ci	10	300	21	3.5	270		1.	1030,1	0,1	0.
<12' N		10	305	21	3-5	270	6-8	-0.5	1029.9	0.6	0.0
11.8', N		10	300	23	3-5	270	6-8	-0.4	1029.8	0.2	-0.
2.51 N		+	+	1	4-6	270	6.8	 		0.0	-0
2.5' N		10	300	18	4-5	270	6-8	-0.6	1030.0	0.1	-0.
5 } 63 W		10	300	16	4-5	286	6-8	-0.5	1030,0	0.1	-0.
	23.3' A 256 N 257 C 257 C	23.3' W CL 25.6' W CL 39' W CL 39' W CL 39' W CL 29' YOU. 3 I Cl 22' YOU. 3 I Cl 22' YOU. 3 I Cl 27' X CL 25' X CL	23.3' \(\)	13.3' \(\)	10 300 17 153.6. CL 10 3(6 14) 153.6. CL 10 3(0 17) 154.6. CL 10 300 17 154.6. CL 10 300 17 154.6. CL 10 300 17 154.6. CL 10 300 22 154.6. CL 10 300 21 154.6. CL 10 300 21 157.6. CL 10 300 21 178. CL 10 300 23 178. N CL 10 300 23 178. N CL 10 300 19 178. N CL 10 300 19	13.3' \(\)	13.37 W CL 10 316 14 4-6 288 15.67 CL 10 310 17 4-6 290 15.67 CL 10 300 17 4-6 290 15.40 CL 10 290 A 4-6 290 15.40 CL 10 290 A 4-6 290 15.40 CL 10 300 22 3.5 270 15.40 CL 10 300 22 3.5 270 15.40 CL 10 300 22 3.5 270 15.40 CL 10 300 21 3.5 270 15.40 CL 10 300 23 3-5 270 17.80 N CL 10 300 23 3-5 270 17.80 N CL 10 300 19 4-6 270 15.50 N CL 10 300 18 4-5 270	13.37 \(\) CL \(\) 10 \(\) 305 \(\) 14 \(\) 4-6 \(\) 288 \(\) 5-6 \\ \[\frac{56}{52} \cdots	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

NOAA FORM 77-13D (3-76)

NOAA	FORM	77-	13d
(3-76)			

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

NOAA	SHIP					DAY		DATE		TIME ZO	NE	
	MILLER	FREE	MAN	!		SUNDA	ly	25,491	UL, 94	18		
		•					<u> </u>					
TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIN	1D	SEA WAVE HEIGHT (Ft.)	SWELL	WAVES	WATER EMP.	SEA LEVEL PRESSURE (mb)		RATURE
			VISIB (N.	DIR. (True)	SPEED (Kts.)	SEA I	DIR. (True)	HEIGHT (Ft.)	SEA W	SEA L PRESS	DRY BULB	WET BULB
01	57.01, N 164012 W	CL	10	286	17	4-6		/	65.4	1030.0	-0.0	~0.5
· 02			<u></u>	Pd-	+ Bo	NOIC	5					
03	164.07.01 W	CL	10	293	18	3-6	250	3-6	0.7	10310	-0.0	-0,0
04	57010.0:N 163054.8'W	CL	10	285	16	3-4	280	3-4	-1.2	10300	0.0	7:9
05	570/4.21 N 163945.31W 57018.31N	CL	10	290	15	3-4	280	3-4	-/./	1029.5	0.0	9
06	1630 37.1 W	CL	10	290	12	2-3	280	2-3	-1.4	1029.1	0.0	0.0
07	163035.1'W	CL	10	290	14	0-1	240	2-3	-1.4	1028.9	• 5	, 2
08	(7°17.7'N 163°35;3.W	CL	10			Ø-2	260	1-2		1073.4	.4	<u> 2</u> 2
09	5722.7 N 163032.4W \$7025.2W	CL	10	285	14	O	240	1-2	-1.4	1029.0	0.0	-,8
10	163°23.2W	CL	10	284	11	0	0	0	-1.3	1078.9	0.2	-,2
11	56° 24.4' N 163° 24.5' L)	CL	10	290	10	٥	ð	۵	-1.4	1028.8	0.1	~0.3
12	57° 14.17 N 163° 73.04 W	CL	10	297	11	0	0	0	-1.3	10242	20	1,0
13	57,17,68N 103°41.7 w 57°05.14N	CL	10	230	11	2	224	١	-1,2	1029.6	2.0	10
14	163 90-14 N 56.84.0 A	cl	10	2 30	15	1-2	210	2-4	-110	10295	2,0	1.0
15	164 02.3 W 56047.81 N	CL	10	295	12	1-2	240	2-4	-0.6	1029.5	2.5	1.0
16	164019.6 W	CL	10	325	07	0-1	270	3-4	3 ه	1029.5	3.0	1.3
17	56 42.6 N 164 34.4 W	CL	10	285	06	0-(270	3-4	0.57	10-29,5	4.0	2.0
18	560 37.31N 164057.51W	CL	10	245	04	<1	270	2-4	1,1	1029.1	3.5	1.9
19	56031.91N 165016.91W	CL	10	295	05	0-1	270	2-3	1.2	10289	4.0	2./
20	56°26.9'N	CL	10	139	02	D.	270	7		1029,0		1,9
21	56-21.5 W 165-55 2 W 56-916.41 N	CL	10	199	03	0	280	2.3	7.7	1029,0	3.7	1.1
22	166 80,7W	UL	10	110	3	0	780	7-3	1.3	1018.7	18	.9
23	166° 30.2' W	CL	10	LTA		0	280	2	2.3	1628.1	2.1	1.0
24 REMAR	166°23.09W	CL	10	LT	AIRS	ن	280	-	20	10781	410	100
REMAR					····							
56	- 13 IN SE	EA ICE, B	ROK	EN								
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		DEC	K LOC	5 - WE	ATHER	OBSER	VATIO	N SHEE	T	TIME ZO	N.E.	
NOAA	11'LLER F	REEM	AN				lay	26,1pR	jl,99	<i>t8</i>		
TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	L1TY f,)	WIN	D	<u> </u>	SWELL		WATER EMP.	A LEVEL RESSURE (mb)	TEMPER	
			VISIBILITY (N.M.)	DIR. (True)	SPEED (Kts.)	SEA WAVE HEIGHT (Ft.)	DIR. (True)	HEIGHT (F1.)	SEA W	SEA L PRES	DRY BULB	WET BULB
01	166°06.10W	cL	16	139	7	0	0	6	210	1028,0	210	110
02	56°04.74N 166°07-24W	CL	10	125	6			- 100	2.8	1027.4	1.5	-0.5
03	18 52.10 'N	CL	10	124	8		190	1-2	0.4	1027.0	1.0	0
04	166012.9'W	CL	10	135	10	0-1	190	2-3	2.4	1026.9	1.5	0.0
05	56 03,2	CL	10	108	7	0-1	120	1-2	2.4	1026,0	2,7	0,9
06	56003.3 W 166018.7 W	CL	10	123	12	0-1	120	2-3	2.4	1025.9	1.5	0.0
07	56,5891 16,34.4W	CL	10	120	11	0-1	i20	1-2	2-3	1025.5	1.0	0.0
08	55°59.0W	CL	10	106	14	0-1	130	1-2	2.3	1024.9	7,5	1.0
09	166054.5 W	CL	10	160	15	1	160	1-2	2.2	6074.0	7.1	10
10	5602,0N	ČL	10	122	18	1	150	7-3	7.3	10232	1.7	(.]
11	5603,4 N	CL	10	122	21	1-2	150	2-3	2,4	1027.7	2.0	10
12	56° 26:13N 167°54,14W	CL	10	123.	22	1-2	150	2-4	2.4	1022,		1.6
13	56°07.70 M	CL	10	115	25	2-4	122	7-4	2.5	(v)\$.8		1.0
14	5608.93 M		10	120	24	2-4	109	2-4	2.5	10200	اما	1.0
15	165045.51 W 5600.67 N 16705.65 W		10	117	24	3-4	110	4-6		1040.9	2,0	1,0
16	169 20. 2 W	CL	10	123	24	34	120	4-6	2.6	1018.4	1.9	1.0
17	560/1.8·N	CL	10	125	24	5-7	120	6-8	2.5	1016./	39	3.3
•••	169022 5'W	CL		125	<u> </u>	 	120	6-8	2.4	1016.1	2.1	1.5
19	169018.11W	CL	10	12.5	ZO	5-7	120	6-8	2.7	1016.	2.5	2.0
20	169°15.7'W		 	120	24	5-7	130	6-8		101b.1	3.1	3.1
	1699 89 W	CL	10		20			T • -	2.5	1616.1		1.9
21	56° 23.6' N 169° 20.0' W 56° 28.4' N	CL	10	110	22	5-7	130	6-8	2.3	1016.1		1.8
23	160 34.6 N	ر ا	10	107	26		140	6-8		1016.1		1.8
24	169006.1 W		10	119	_		140	6-8	216	1017,1		2,5
REMA	161° W 78 W	CL	110	1 (, , ,	12~	1 0	1 10	10,	216	totin	13,1	1
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	 			<u> </u>								
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AAON	FORM	77 - 1	13d

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DECK LOG - WEATHER OBSERVATION SHEET

DECK EGG = WEAT		DATE	TIME ZONE	
NOAA SHIP	Tuesda	27 April	1.0	
76(17)	T T	α	TEMPER	ATURE

	POSITION	PRESENT	È	WIN	D	Ї.	SWELL	WAVES	WATER EMP.	A LEVEL RESSURE (mb)	TEMPER	
TIME	(Lat. and Long.)	WEATHER	VISIBILITY (N.M.)	DIR. (True)	SPEED (Kts.)	SEA WAVE HEIGHT (Ft.)	DIR. (True)	HEIGHT (Ft.)	SEA TEV	SEA L PRES	DRY BULB	WET BULB
01	56° 55. N	cL	10	170	22	2-4	140	4-6	1.8	1017,0	3,0	2,0
02	168°57 W	cl	10	118	22	2-4	140	4-6	0.7	1017.0	25	1,5
03	578 25N 68 75-W	CL	10	109	20	2-4	110	4-6	2:42	1017,0	210	0.9
04	57036.51N 164053.8'W	CL	10	120	23	4-6	110	3-5	0.0	1017.1	2.0	0.8
05	57 49.5 N 16 4 52. 4 W	CL	10	112	23	4-78	110	3-5	0.612	1017.5	1.8	0.1
06	5751.3N 16851.9W	CL	10	108	16	1-2	110	4-6	0,04	1017	00	10 1.0
07	57° 51.4° N 168 51.6° W	CL	10	110	15	1-2	120	3-5	0.04	1017	1.0	-6.2
08	57° 58.0' N 11.8° 47.0' W	CL	10	110	17	2	140	4-6	- 0.5	1016.5	6.1	-0.6
09	5304.6.W	CI-	10	100	17	2	130	4-6	-1.8	1016.3	0.1	-0.8
10	68014.8 W	101	102	44	114	0	140	2-3	-1.5	1016.2	141	0.0
111	58°18'4.N	1 ch	10	71	14	0	140	3-4	-1.5	1016.6	1.8	0.2
12	58"23.22 W-	CL	10	94	T i J	\mathcal{C}	140	3-11	~1,5	16164	2.0	0.8
13	58'24.13 M 168.28 2PW /	CL	10	970	11,2	O	114	3-4	-1,3	106,5	3,0	1:5
14	56°31.72 N	<i>C1</i>	LO	110	14	O	0	0	-1.6	1016,5	3,0	1,5
15	52° 34.4' N 168° 28.5' W	CL	12	125	13	0	200	4	-1.5	1616.1	-0.1	-10
16	168034.7'W	CL	10	125	12	0	190	2-3	-1.6	1016 0	1.0	-1.0
17	59029.Z : N	CL/F	3	123	12	0-1	190	4-6	-1.5	1015.5		-10/
18	168°39.0' W 58°25.21 N 168°39.4' U	CL	8	115	12	0-1	200	3-5	-1.5	1015	58	8
19	58020.9W	CL	9	125	17	0-1	710	3-4	-1.4	1015.1	7	-1.1
20	58° 18.8' N 168° 47.6' W	(1	8	125	+ ' -	1	210	3-5	-1.4	1015.	5 - ,8	- 0.9
21	58016.3W	LL	10	124	17	0-1	210	3-5	-1.4	1015.	59	-1.1
22	168°:17.7 ~ 58007.5 W	CL	10	130	14	1-2		3-5	-0.6	1015.	12	3
23	163°46.7 W	ch	10	1 _	11	1-2	Z 30	3-5	0.1	1015.	2 . Z	1.1
24	57° 51.3° N	CL	10		10	1-2	225	3-5	0.09	1016.	5 1.9	1,1
<u> </u>	16 8 52.8 W	1 00										

REMARKS

NOAA SHIP	<u>,,,,,,,, .</u>	DAY	1	TIME ZONE
MILLER	FREEMAN	WEDNESDAY	28 APRIL 1999	+8

						1			~		-54050	
TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	LITY	WIN	5	WAVE IGHT	SWELL	WAVES	WATER EMP. OC	A LEVEL RESSIRE (mb)	TEMPER	
	(Lat. and Long.)	WESTHER	VISIBILITY (N.M.)	DIR. (True)	SPEED (Kts.)	SEA W HEIG	DIR. (True)	HEIGHT (Ft.)	SEA W TE	SEA L PRESI	DRY BULB	WET BULB
01	51:49.6 N	CL-S	80	140	10	1-3	230	2-4	0.01	1016.2	0.5	0.5
02	57°38.19 N 168°54.24 W	cl	4	134	10	1-3	<u> کځ</u>	2-4	0.01	1016.5	1,0	1.0
03	16855.35 W	CL	ч	134	10	(-3	273	2-4	0.4	101615	1.5	1,0
04	57013.6 N 168057.3 W	CL.	4	162	08	2	220	2-4	1.1	10161	2.1	2.0
05	168058.41W	CL	8	165	10	2	220	2-4	2.0	1016.5	2.9	2.3
06	56050.11N	CZ	10	174	09	2	220	2-4	2.1	1017.0	3.2	2.5
07	169000.11W 56039.4'N 169001.5'W	CL	10	173	09	0-1	120	2-4	2.3	10171	3.2	3.0
08	56° 30°4. N 16413.4. W	دال	10	183	11	0-1	130	2-3	2.2	1017.2	2,6	2,1
09	56" 28.1'N 169°200'()	CL	10	203	13	1	130	2-3	7.1	1018.3	4.0	7,9
10	560-2300'N 164-20-1'W	cl_	10	210	۱۷	1	170	7-3	2.2	1018.7	4.1	3.0
11	56°10.76'N	C!	10	199	11	1	170	2-3	2.6	1018.9	4.3	3,4
12	169° 21. 2'W	CL	10	195	14	1-2	176	2-4	2.6	1019.0	4.5	3.7
13	56' 11.1: N 169: 21.8'W	CL	10	191	15	1-2	170	2-4	2.5	1019.0	3.5	3.0
14	56°10.73 N	CL	10	191	15	1-2	170	2-4	2.5	1019,1	3.1	3.0
15	56°08.16 N	CL	10	191	15	1-2	170	214	2.8	1019.	15.0	4.0
16	56 66.2 N 169 16.0 W	a	7	200	17	2-3			2.9	1619.	4.4	3.6
17	169 15.9W	R	4	200	16	3-4	200	3-4	2-9	1019.	3.4	3.0
18	56 06.3 N 169 15.7 W	R	5	205	15	3-5	205		2.9	1019	8:8	4.1
19	56 06.3N 169 66.1W	CL	7	206	(6)	3-5	205		2-9	1019,	93.2	3.0
20	56° 06.5' N	CL	8	190	16	3	210	4-6	2.9	1019.0	4.0	3.5
21	56° 05.4' N	R	8	200	71	3	200	6-7	7.8	1013.3		3.2
22	169°CH'S W	R	8	260	21	3	230	6-7	2:7	1018.2	4.1	3. z
23	168646.8 VV	B	8	210	2.2	3	230	6-7	2.6	1018	3 H.Z	3.1
24	168 34- W	L	8	(5)	27	3	230	3-5	2.5	1014.0	3,0	2,5
REMA												

REMARKS

NOAA SHIP		DAY	DATE		TIME ZON	1E
MILLER FREEMIN		THUIS	day 29Ap	21299	+8	
	> wind	₩ L	SWELL WAVES	m .	VEL	TEMPERATURE

	POSITION	PRESENT	È	WINE	ь	₩ 2 ± 2 ±	SWELL 1	WAVES	T ER	EVEL URE	TEMPERA 00	
TIME	(Lat. and Long.)	WEATHER	VISIBILITY (N.M.)	DIR. (True)	SPEED (Kts.)	SEA WAVE HEIGHT (Ft.)	DIR. (True)	HEIGHT (FI.)	SEA WAT	SEA LEVEL PRESSURE (mb)	DRY BULB	WET BULB
01	55°53 N	R-vet	5	200	24	2-4	140	2-4	2.0	1017.4	3,5	3.0
02	55064 10	R	5	200	23	3-5	140	5-7	1,4	1017.0	3,0	3:1
03	56° 00. N	Rit	4	2,66	24	3-6	184	5-8	2.7	1016.1	3.5	3.)
04	56004.61N 169"12.51W	CL/A	4	200	24	4-6	190	5=7	2.7	1015.9	3.8	3.5
05	56017.51N 169016.51W	CL	8	210	25	4-6	210	57	2.6	1015.1	5.0	4.1
06	56005.81N 169019.31 W	CL	8	210	26	4-6	230	6-8	2.6	1014.2	5.1	4.1
07	56016.8'N 168913.9'W	CL	8	205	25	4-6	230	5-7	2.8	1014.5	5.8	4.5
08	164°13.4'W	CL	8	216	76	4-6	240	5-7	2.8	1014,3	5.1	3.8
09	5600102 N 169014.7 W	Ch	8	777	23	4-6	230	5-7	2.8	1014.1	5.0	3.9
10	56° 06.6' NI	CL	8	770	22	6	230	7	2.9	1014.1	5.0	4.0
11	56007;4'N	CLIR	6	206	27	6_	240	7	7.8	1013.7	5.3	4.3
12	56° 67.871	CUR	2	216	27	6	236	5-6	2.8	10134	6.0	5.0
13	56°68.23 W	CL/8	2	220	25	4-6	240	6-8	2.8	101310	4.7	4.0
14	56°07. N	cl/n	4	235	24	4+5	220	8-10	2.8	(012)	1500	4.5
15	56005,41 N	11/2	12	220	 	45	22	8-10	2.8	10121	15.0	4,0
16	56°06 6 'N 169°16.7'W	CL/R/F	1	230		5-7	250	8-10	2.8	1012.5	4.1	4.0
17	169°17.5'W	CL/R/F	1	240	25	5-7	230	12-15	Z.8	1012.5	48	4.2
18	169016 5 W	CL/F	1	240	22	5-7	230	10-12	2.8	1011.1	3.9	3 8
19	167016 4 W 169013.4'W	CL/R/F	1	240	20	5-7	Z30	10-12	2.9	1011.1		4.5
20	164. 18.2. M	RW	2	245	20	4-6	230	12-14	2.9	1011.1	4.9	4.2
21	55°54'3'W	BM	2	261	72	4-6	220	12-14	7.8	1011.	14.8	4,0
22	1670 18.6 W	D/W	2	760	70	4	230	8-10	7.8	1011.	1 4.3	4.0
23	55034'4.N	R/W	2	760		니	220	8-10	3.0	1011.	3 4.4	4.0
24	5502763N	5.1	2	248		4-6	229	0 8-10	3.5	1012	114.9	4.0
L	ARKS	1 17										

05 169031.71 W CL/R 4 265 16 3-5 220 7-9 3.3 10/3.5 5.9 5.9 06 169033.91 W CL/R/F 1 250 16 3-5 220 7-9 3.1 10/3.5 6.5 5.2 07 169033.91 W CL/R/F 1 3-5 220 7-9 2.3 10/4.0 5.5 5.1 08 54001.01 W CL/R 8 250 17 3-5 220 7-9 2.3 10/4.0 5.5 5.1 08 54002.11 W CL/R 4 749 16 2-3 710 7-8 2.9 10/4.2 3.6 3.8 09 556917 W CL/R 8 250 17 2-3 220 7-8 2.8 10/4.1 3.7 B.Z 10 16903.61 W CL/R 6 234 21 2-3 220 7-8 3.0 10/5 3.9 B.B 11 16902.2 W CL/R 5 238 21 2-3 220 7-8 2.8 10/5 4.2 4.0 12 53.41.7 W CL/R 5 238 19 2-3 220 6-8 2.9 10/5 4.2 4.0 13 MISSED D R 4 260 19 3 220 6-8 3.0 10/3.2 6.5 6.0 14 168.50.7 D R 4 265 14 3 220 6-8 3.0 10/3.2 6.5 6.0	Λ.	SHIP					DAY		DATE		TIME ZO	NE	
01 (647) (5,304) (1/R) 5 259 15 2-4 270 6-8 2.9 (0124) 4,9 4.0 102 6,6 103 104 6,9 104 10 104	11	ILLER F	PrecM,	AN			FRId.	Ay	30,4	PRÌ L99	+8	3	-,-
01 55% 0.04 C/R 5 259 15 2-4 270 6-8 2.19 10124 4.99 4.0 02 56% 56% C/L 5 259 16 2-4 270 6-8 2-6 1013.0 4.4 4844 03 56% 578 C/L 10 241 (3 2-4 265 4-6 3.3 10128 5.0 4.4 04 576 978 0.10 CL 10 265 20 3-5 265 8-10 3.2 1012.8 5.5 5.2 05 670 32.9 0.10 CL 10 265 20 3-5 265 8-10 3.2 1012.8 5.5 5.2 05 670 32.9 0.10 CL R 4 265 16 3-5 220 7-9 3.3 1013.5 5.9 5-9 06 670 32.9 0.10 CL R 4 265 16 3-5 220 7-9 3.3 1013.5 6.5 5.2 07 670 32.9 0.10 CL R 8 250 17 3-5 220 7-9 2.3 1014.5 5.5 5.2 08 540 21.10 0.10 CL R 8 250 17 3-5 220 7-9 2.3 1014.5 5.5 5.1 08 540 21.10 0.10 CL R 8 250 17 3-5 220 7-9 2.3 1014.5 5.5 5.1 08 540 21.10 0.10 CL R 8 250 17 3-5 220 7-9 2.3 1014.5 3.6 3.8 09 540 21.10 0.10 CL R 8 250 17 2-3 220 7-8 2.8 1014.1 3.7 3.6 10 550 10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 11 750 35 80 CL R 5 238 21 2-3 220 7-8 3.0 1015.5 0.10 0.1		POSITION	Bosseur	<u></u>	WIN		ñΓ	SWELL	WAVES	er W	믹斾		
01 55% 0.04 C/R 5 259 15 2-4 270 6-8 2.19 10124 4.99 4.0 02 56% 56% C/L 5 259 16 2-4 270 6-8 2-6 1013.0 4.4 4844 03 56% 578 C/L 10 241 (3 2-4 265 4-6 3.3 10128 5.0 4.4 04 576 978 0.10 CL 10 265 20 3-5 265 8-10 3.2 1012.8 5.5 5.2 05 670 32.9 0.10 CL 10 265 20 3-5 265 8-10 3.2 1012.8 5.5 5.2 05 670 32.9 0.10 CL R 4 265 16 3-5 220 7-9 3.3 1013.5 5.9 5-9 06 670 32.9 0.10 CL R 4 265 16 3-5 220 7-9 3.3 1013.5 6.5 5.2 07 670 32.9 0.10 CL R 8 250 17 3-5 220 7-9 2.3 1014.5 5.5 5.2 08 540 21.10 0.10 CL R 8 250 17 3-5 220 7-9 2.3 1014.5 5.5 5.1 08 540 21.10 0.10 CL R 8 250 17 3-5 220 7-9 2.3 1014.5 5.5 5.1 08 540 21.10 0.10 CL R 8 250 17 3-5 220 7-9 2.3 1014.5 3.6 3.8 09 540 21.10 0.10 CL R 8 250 17 2-3 220 7-8 2.8 1014.1 3.7 3.6 10 550 10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 11 750 35 80 CL R 5 238 21 2-3 220 7-8 3.0 1015.5 0.10 0.1	TIME	(Lat. and Long.)	WEATHER	VISIBIL!	DIR.	SPEED	SEA WAN HEIGH	DIR.	HEIGHT	EA WAT TEMP.	EALEV PRESSUF (mb)	DRY	WET
02 \$\frac{57^{\circ}\circ}{57^{\circ}\circ}\circ}\circ\clip{\text{CL}} 5 \text{16} \text{270} \text{6-8} \text{2-6} \text{1013.0} \q	01	550004 N	cl /n	┼──	 ` 		 						-
03 54-54-31	02		CL	1			1	270	6-8	411			
04	03	54°54.34 N	cL	10	241	(3	2-4	265		3, 3	1		
15 1.69 - 31. 7 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	04	169030.0 W	C2	10	265	ZO	3-5	265	8-10	3,2	1012.8	5.5	5.2
66 169° 33.9 (1)	05	169031.71W	CL/R	4	265	16	3-5	220	7-9	3.3	1013.5	5.9	5 4
	06	169033.91W	CL/R/F			16	3-5	220	7-9	3.1	1013.5	6.5	52
1649367 W CL/R 1 249 16 27 210 7-0 29 1014.2 3.6 3.8 09 15497 W CL/R 8 250 17 2-3 220 7-8 28 1014.1 3.7 B.Z 10 1649367 W CL/R 6 234 21 2-3 220 7-8 3.0 1015 3.9 B.Z 11 1649367 W CL/R 5 238 21 2-3 210 7-8 2.8 1015.0 4.7 4.0 12 1554.7 W CL/R 5 238 19 2-3 220 6-1 2.9 1015.0 4.1 4.0 12 1554.7 W CL/R 5 238 19 2-3 220 6-1 2.9 1015.0 4.1 4.0 13 15550 N R 4 250 19 3 220 6-1 2.9 1015.0 4.1 4.0 13 15550 N R 4 255 19 3 220 6-1 3.0 1012.5 5.6 5.0 15 1580 50.7 W R 4 230 22 3-4 220 8 3.0 1012.5 5.6 5.2 16 168 50.7 W CL/L 4 260 23.5 3 4 250/20 6-10 3.1 1012.5 5.6 5.2 16 168 50.7 W CL/L 4 260 23.5 3 4 250/20 6-10 3.1 1012.8 5.5 5.2 17 18 165 45.5 W F 1/4 248 23 8-10 220 8-10 3.1 1012.9 5.4 5.1 19 19 19 19 19 19 19 19 19 19 19 19 19	07	169035.4 W	CL/R	1	250	17		220	/ /	2.3	1014.0	5.5	5.1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		1646365W	CL/R	 		16	2-3	710	7-8	29	1014.2	3.6	3.8
11 164°013 vw CL/R 5 234 21 2-3 220 1-8 3.0 1015 3.9 26 11 164°013 w CL/R 5 238 21 2-3 210 7-8 2.8 1015.0 4.7 4.0 12 13 53°24.07 w CL/R 5 239 19 2-3 220 6-1 2.9 1015.0 411 4.0 13 missed N R 4 200 19 3 220 6-1 2.9 1015.0 411 4.0 13 missed N R 4 200 19 3 220 6-1 3.0 1013.2 6.5 6.0 14 164°50.7 w R 4 205 14 3 220 6-8 3.0 1013.2 6.5 6.0 15 168°50.7 w R 4 205 14 3 220 8 3.1 1012.5 5.6 5.2 16 16 168°50.7 w CL/L 4 260 23.5 3 4 250°/20 6-10 3.1 1012.8 5.5 5.2 16 16 168°45.5 w F 1/4 248 23 8-10 220 8-10 3.1 1011.9 5.6 5.1 19 20 53°25.3 N F 1/4 248 23 8-10 220 8-10 3.1 1011.9 5.6 5.1 19 20 53°25.3 N F 1/2 260 13 5-7 220 8-10 3.0 1012.5 5.2 5.0 19 19 20 53°25.3 N F 1/2 260 13 5-7 220 8-10 3.0 1012.5 5.2 5.0 168°47.5 W F 1/2 260 13 5-7 220 8-10 3.0 1012.5 5.2 5.0 168°50.2 246°N N R 4 224 15 5-7 220 8-10 3.0 1012.5 5.2 5.0 168°50.2 246°N N R 4 224 15 5-6 230 8-10 3.1 1012.1 3.9 3.8 168°46.3 W R 6 5 239 16 5 220 6-8 2.9 1012.2 4.8 4.3		161023.6 W	4/R	, , , , , , , , , , , , , , , , , , , 		17	2-3	2.20	7-8	2.8	1014.1	3.7	B.0
12 151° 12 15 15 15 15 15 15 15	10	169013 5.W	CL/R			21	2-3	220		3.0	1015	3.9	48
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		169 02.8 W	CL/R	5	-	21	2-3	210	7-8	2.8	1015.0	4.2	4.0
14 168° 50.7° 10 R 11 265 14 3 220 6.8 3.0 1013.2 6.5 6.0 15 168° 50.7° 10 R 11 205 14 3 220 6.8 3.0 1013.2 6.5 6.0 15 168° 50.8° 10 1012.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 16 168° 50.8° 10 1012.8 1012.8 1012.8 10.5 10.5 10.5 17		168171.07 W		5	239	19	2-3	220	6-8	2.9	10150	4.1	4.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13	ω.	R	4-	2.60	19	3	220	4-8	3.0		6.5	4.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		168.50,7' W			205	19		220	6-8	3.0	183.2	6.5	6.0
17 XO EATING DINNER ON 64 100 E 18 168° 45.5 W F 1/4 248 23 8-10 220 8-10 3.1 1011.9 5.6 5.1 19 20 168° 47.5' W F 1 250 16 8 220 8-10 3.0 1012.2 5.2 5.0 21 168° 49.8' W F 1/2 260 1/3 5-7 220 8-10 3.0 1012.5 5.2 5.0 22 53° 24.4' N R 4 224 15 5-6 230 8-10 3.1 1012.1 3.9 3.8 23 168° 41.5' W R 6 239 16 5 220 6-8 2.9 1012.2 4.8 4.3		148° 50.8' (3)							8				5.2
18 155 25.7 N F 1/4 248 23 8-10 220 8-10 3.1 1011.9 5.6 5.1 19 20 53° 25.3 N F 1 250 16 8 220 8-10 3.0 1012.2 5.2 5.0 21 53° 24.6 N F 1/2 260 1/3 5-7 220 8-10 3.0 1012.5 5.2 5.0 21 1/8° 49.8 W F 1/2 260 1/3 5-7 220 8-10 3.0 1012.5 5.2 5.0 22 53° 24.7 N R 4 224 15 5-6 230 8-10 3.1 1012.1 3.9 3.8 23 153° 14.8 N R 6 239 16 5 220 6-8 2.9 1012.2 4.8 4.3		168 50.4 W	<i>C.</i> ←/L	7	260	25,5	3 4	1220	6-10	3.1	1012.8	5,5	5.7
19		55; 25.7 1N					70	<u> </u>					
20 53° 25.3' N F 1 250 16 B 220 8-10 3.0 1012.2 5.2 5.0 21 53° 24.6' N F 1/2 260 13 5-7 220 8-10 3.0 1012.5 5.2 5.0 22 53° 24.4' N R 4 224 15 5-6 230 8-10 3.1 1012.1 3.9 3.8 23 168° 51.0' W R 6 239 16 5 220 6-8 2.9 1012.2 4.8 4.3		ibb° 45,5 w	F	'/4	248	2.3	8-10	220	8-10	3.1	1011.9	5,6	5.1
21 53° 24.6° N F Yz 260 13 5-7 220 8-10 3.0 1012.5 5.2 5.0 22 168° 51.0° N R 4 224 15 5-6 230 8-10 3.1 1012.1 3.9 3.8 23 158° 416° 3.4° R 6 239 16 5 220 6-8 2.9 1012.2 4.8 4.3 5.3° 416° 3.4° R 6 239 16 5 220 6-8 2.9 1012.2 4.8 4.3 4		53° 25.3 ' N	-	1						.			
22 53° 24.4' N R 4 224 15 5-6 230 8-10 3.1 1012.1 3.9 3.8 23 168° 51.0' W R 6 239 16 5 220 6-8 2,9 1012.2 4.8 4.3									8-10				
23 168°46'3. W R 6 239 16 5 220 6-8 2,9 1012.24.8 4.3		570 1141 N		-						-			
530		530 EU 24.1											
	24	E 30		<u></u>					, ,			- 15	

DECK LOG - WEATHER OBSERVATION SHEET												
NOAA S	ніР					DAY		DATE /MAY	/	TIME 201	NE.	
N	VILLER	FREE/	MAN	/		SAT		397	1,94	1.0	- 	
	(10-01					,						
	POSITION	PRESENT	ΙΤΥ	WINI	D	λ. Τ. Μ	SWELL	WAVES	SEA WATER TEMP.	SEA LEVEL PRESSURE (mb)	TEMPER	C
TIME	(Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	DIR.	SPEED	SEA WAVE HEIGHT (FL.)	DIR.	HEIGHT	EA ₩	EA L RESS	DRY BULB	WET BULB
			 	(True)	(Kts.)	 	(True)	(F(.)			5.5	5.0
01	168004 W	L	10	237	11	<1	270	2-3	3-8	1013.0		5.1
02	53047 N 187°50 W	d	10	235	10	21	270	├── ─	3.6	1013.0	1	4.9
03	53052,17 N 167026-04 W	F/L	10	297	10	31-2	270	2-4	3.8	1012.7		5.1
04	53056.4 N 167017.2 W	FICL	5	220	12	1-2	270	4 1	3.0	1012:1	/-	
05		<u> </u>	ļ.——			-	 		 	 	<u> </u>	
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