01 168 04								N SHEE				
MILE P. FREMAN SHITTON TIME POSITION PRESENT FOR THE PROBLEM PROBLE	SHIP					DAY		DATE / MA	U.	TIME ZO	NE	
01	1/LLER	FREE	MAN	<u> </u>		SAT	· · · · · · · · · · · · · · · · · · ·	307,40	14,94	+8		-
01	· ·	PRESENT	¥ Line	WIN	10	AVE.	SWELL	WAVES	P. EE	EVEL		
01	(Dan and Bong.)	"EATTEN	VISIBI (N.M			SEA W HEIG (Ft.			SEA W	SEA LI PRESS (mb)		WET
02 \$\frac{153047}{55050} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	63°43 N	L	10	237	17	<1	270	2-3		1013.0	5.5	5,0
03	53047 N	d			10	<u> </u>	270	2-4	3.6	1012.9	6.0	5.1
04	167426-04 W	F/L	10	297	10	312	270	2-4	38	1013.0	5,0	4.9
10 10 10 10 10 10 10 10	53056.4 N 167017.2 W	F/CL	5	220	12	1-2		2-4	3. 2	1012.7	5.9	5.1
07 \$\frac{64\tilde{9}34\tilde{7}\tilde{7}\tilde{1}}{164\tilde{9}34\tilde{7}\tilde{7}\tilde{1}} \tilde{1} \	167°02.2'W	F/CL	1	230	17	1-2	270	2-4	3.8	1012.0	6.0	5.0
11 166°35', CC W CL 10 255 27 5-7 255 4-6 3.7 1012 55.1 4.2 18 166°35', CS W CL 10 255 27 5-7 255 4-6 3.7 1012 55.1 4.2 19 166°35', CS W CL 10 255 27 5-7 255 4-6 3.7 1012 55.1 4.2 10 10 11 166°35', W F/CL 12 250 28 6-8 260 4-6 3.4 1012 7.9 20 546°55', W F/CL 12 258 25 6-8 250 4-6 3.4 1012 7.9 21 546°41', S W F/CL 12 258 25 6-8 250 4-6 3.4 1012 7.9 22 546°41', S W F/CL 14 330 27 6-7 240 4-6 3.6 1012 7.5 3.7 23 166°25', W F/CL 14 330 27 6-7 240 4-6 2.9 1011.7 3.5 2.7 24 165°51', W F/CL 14 330 27 6-7 240 4-6 2.9 1011.7 3.5 2.7 24 165°51', W F/CL 14 330 27 6-7 240 4-6 2.9 1011.7 3.5 2.7 24 165°51', W F/CL 14 330 27 6-7 240 4-6 2.9 1011.7 3.5 2.7 24 165°51', W F/CL 14 330 27 6-7 240 4-6 2.9 1011.7 3.5 2.7 24 165°51', W F/CL 14 330 27 6-7 240 4-6 2.9 1011.7 3.5 3.1	166049.1 W	CL	8	230	08	3	240	2-4	3.8	1011.1	5.9	5.0
99 1	166034.7'W	CL	10	130	05	0	280	2-3	4.0	1011.1	5.5	5.0
10 54°00 6.N CL 10 05 0 0 41.0 1010.1 8.8 7.5 12 13	ALONGSIDE	DUTCH	MAR	BOR,	AK				<u> </u>			
11 5400 b.N 12 13 14 15 16 17 18 16605.2.N 19 16605.1.N 19 16605.2.N 19 16605.1.N 1	1			<u> </u>								
11 166°35.cow CL 10 05 0 0 0 4.0 100.1 8.8 7.5 12 13								æ				
12	166°35,00 W	LL	10		05	0	0	0	4.0	1010.1	8.8	7.5
14	<u>, </u>											
15 16 17 18 166°15.2°W CL 10 255 27 5-7 255 4-6 3.7 1012.55.1 4.2 19 166°05.1°W F/CL 1/2 250 28 6-8 260 4-6 3.4 1012.7 4.1 4.0 20 54°33.57°N F/CL 1/2 250 28 6-8 260 4-6 3.3 10122 7.9 21 54°4128.5 F/CL 1/2 258 25 6-8 250 4-6 3.4 1012.2 3.8 3.7 21 54°41.4 N F/CL 2 258 25 6-8 250 4-6 3.4 1012.2 3.8 3.7 22 54°5444 N F/CL 4 258 25 6-8 250 4-6 3.6 1012.1 3.5 3.1 23 165°5444 N F/CL 4 330 22 6- 240 4-6 2.9 1011.2 3.5 3.1 24 55°13.52 N F/CL 4 330 04 3-4 240 2-4 218 1012.2 3.5 3.1												
16 17 18												
17 18 54°12.2°N CL 10 255 27 5-7 255 4-6 3.7 1012.5 5.1 4.2 19 54°22.8°N F/CL 1/2 250 28 6-8 260 4-6 3.4 1012.7 4.1 4.0 20 54°33.57°N F/CL 1/2 247 25 6-8 240 4-6 3.3 10122 7.9 3.4 21 54°43.0°N F/CL 2 258 25 6-8 250 4-6 3.4 1012.2 3.8 3.7 21 54°44.4°N F/CL 2 258 25 6-8 250 4-6 3.4 1012.2 3.8 3.7 22 54°55.46 N F/CL 4 258 25 6-8 250 4-6 3.6 1012.1 3.5 3.1 23 55°05.7N F/CL 4 330 22 6- 240 4-6 2.9 1011.2 3.5 3.1 24 55°13.52 N F/CL 2 330 64 3-4 240 2-4 218 1012.2 3.5 3.1												
18			<u> </u>						<u> </u>			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$								5,096		0.10 92		
19 $\frac{34 \cdot 22.8}{166 \cdot 05.1 \cdot W}$ F/CL $\frac{1}{2}$ $\frac{250}{28}$ $\frac{28}{6-8}$ $\frac{260}{260}$ $\frac{1}{4-6}$ $\frac{3.4}{3.57 \cdot W}$ $\frac{1}{602}$ $\frac{1}{2}$	166015.2'W	CL	10	255	27	5-7	Z55	4-6	3.7	1012.5	5.1	42
21 540 H3.0 N F/CL Z 258 25 6-8 250 H-6 3.4 1012.2 3.8 3.7 22 540 54.6 N F/CL 4 258 25 6-8 250 4-6 3.6 1012.1 3.5 3.1 23 1650 57.1 N F/CL 4 330 22 6- 240 4-6 2.9 1011.2 3.5 3.7 24 550 13.8 2 N F/CL 2 330 04 3-4 240 2-4 218 1012.0 3.5 3.1	166° 05.1'W	F/CL	1/2	250	28	6-8	260	4-6	3.4	1		4.0
22 54054.6 N F/CL 4 258 25 6-8 250 4-6 3.6 1012.2 3.8 3.2 23 16505.7 N F/CL 4 330 22 6- 240 4-6 2.9 1011.2 3.5 3.1 24 55013.8 2 N F/L 2 330 04 3-4 240 2-4 218 1012.0 3.5 3.1	5403357W	F/CL	1/2	247	75	6-8	240	4-6	3.3	10122	7,3	3.4
23 15005.7N F/CL 4 330 2Z 6- Z40 4-6 Z.9 1011.2 3.5 Z.Z 24 165017.7W F/L 2 330 04 3-4 240 2-4 218 1012.0 3.5 3.1	164044 . H. M	F/CL		258	25	6-8	250	4-6	3.4	1017.2	3.8	3.2
24 165017.7W F/L 2 330 04 3-4 240 2-4 218 1012.0 3.5 3.1	165034.6 N	FILL	1		25	6-8	250	4-6	3.6	1012.1	3.5	3.1
24 165017.7W 1-/L 14 1350 104 13.4 1210 201 218 10121 3.5 3.1	166025.1W	F/CL		330	22	6-	240	4-6	5.9	1011.2	3.5	3 2
REMARKS	165°17.7W	F/L	2	330	04	3-4	240	2-4	218	10120	3.5	3./
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						 .						
4		-1#								····		
		POSITION (Lai. and Long.) 63043 N 168004 N 53047 N 167056 W 53052.7 N 167076 W 54007.8 IN 166049.1 W 54000.5 W 166035.00 W	POSITION (Lai. and Long.) PRESENT WEATHER \$3043 N L \$3047 N CL \$3052.7 N CL \$3052.7 N F/L \$7072644 N F/CL \$4007.6 W F/CL \$4007.6 W CL \$4000.5 W CL	POSITION (Lai. and Long.) 63043 N L 10 63043 N L 10 63043 N L 10 53047 N CL 10 53055.17 N F/L 5 5407.2 N F/L 5 5407.2 N CL 5 5407.2 N CL 5 5407.3 N CL 5 5407.5 N CL 5 5407.5 N CL 5 5400.5 N CL 10 ALONGSIDE DUTCH HAR 1 5400.5 2 N F/CL 7 5400.3 N F/CL 7 5403.5 N F/CL 7 5405.1 N F/CL 7 5505.1 N F/CL 7 5505.1 N F/CL 7 5505.1 N F/CL 7 5505.1 N F/CL 7 5501.5 N F/CL 7 5501.5 N F/CL 7 6501.5 N	POSITION (Lai. and Long.) PRESENT LANGE DIR. (True) 63043 N L 10 235 53047 N CL 10 235 53056 N F/CL 5 220 54001.6 N F/CL 5 230 5400.5 N CL 10 130 ALONGSIDE DUTCH HAPBOR, 16605.1 N F/CL 10 5400.6 N F/CL 10 5400.6 N F/CL 10 5400.5 N F/CL 10 5400.5 N F/CL 10 5400.5 N F/CL 10 5400.5 N F/CL 10 5400.6 N F/CL 10 5400.6 N F/CL 10 5400.6 N F/CL 10 5400.6 N F/CL 10 5400.5 N F/CL 10 5400.6 N F/CL	POSITION (Lat. and Long.) PRESENT DIR. SPEED (True) (Kits.) 63043 M L 10 237 11 53047 M CL 10 235 10 53047 M F/L 5 220 12 53052.77 F/CL 5 230 17 670/7.2 W F/CL 5 230 17 54001.6 W F/CL 5 230 17 54001.5 W CL 10 130 05 ALONGSIDE DIUTCH HAPBOR, AK 166035.00 CL 10 255 27 5407.2 W F/CL 72 250 28 5403.5 V F/CL 72 250 28 5404.8 V F/CL 72 258 25 7654.8 N F/CL 72 258 25 7654.8 N F/CL 72 258 75 76505.1 W F/CL 72 258 75 76505.1 W F/CL 72 258 75 76505.1 W F/CL 72 330 04	POSITION (Lai. and Long.) PRESENT (True) (Kis.) DIR. (POSITION (Lai. and Long.) PRESENT	POSITION (Lai. and Long.) PRESENT WEATHER PRESENT (True) FOUNT (Lai. and Long.) FOUNT (Lai. and Lon	POSITION (Lai. and Long.) PRESENT		POSITION (Lai and Long.) PRESENT

Λ	SHIP					DAY		DATE		TIME ZO!	9	
	MILLER F	REEMA	<u>~</u>	<u> </u>		Souda	y	2,M/	41/941	+0		
	POSITION	PRESENT	<u>}</u>	WINI	D	₩ > 	SWELL	WAVES	P.	A LEVEL RESSURE (mb)	TEMPER	
IME	(Lai. and Long.)	WEATHER	VISIBILITY (N.M.)	DIR. (True)	SPEED (Kis.)	SEA WAVE HEIGHT (Ft.)	DIR. (True)	HEIGHT (F1.)	SEA WATE TEMP.	SEA LE PRESS (mb)	DRY BULB	BULB
01	55026 N 16505 W	F/L	42	273	8		330		2.8	1012.4	1.9	1,2
02	55° 35.94 N	F/L	5	273	4		240	:	2.7	10128	1,5	1.5
03	55047.26N	L	10	340	6		2.35		2.3	10130	(,5	110
04	55058.21N 164036,5'W	CL	10	290	13	2-3	235	3-5	1.2	1613.0	1.8	. 8
05	56008.71N 164026.61N	CL	10	285	12	2-3	235	3-5	1.8	1013.1	1.4	.3
06	56019.5 IN 164 16.3 W	PC	10	290	15	3-4	220	2-3	1.5	1013.1	1.2	0.0
07	56°30.21 N 164005.21 N	CL	10	286	16	3-4	225	2-3	1.1	1013.1	1.4	0.0
08	6604103 W	CL	10	309	15	3-4	300	2-4	0.1	1013.2	00	1.4
09	56' 43.8' N 163' 53 6'W	زر	10	279	16	3-4	290	2-4	0.2	1014.0	<u> </u>	-o.°
10	56 43.61N 163.54.8W	CL	10	299	26	3-4	295	3-5	-0.1	1014.6	1.2	-0.8
11											 	
12	56 45,80 N	CL	10	310	22	3-4	270	3-5	0.6	1015	d 1.4	1.0
13	164-20 22	CL	10	303	15	3-4	300	6-8	0.5	1016	 -	0,0
	56044.44N	CL	10	314	19	4-6	310	6-8	-0,6	1016.0	-0.5	-11
14	164004 BUN										1	
14 15	56° 525 N	PC	10	306	18	2-3	315	5-7	-0.4	1016.1		-6.
	56° 52.5° N 164° 053° W 56° 52.2 N 164° 41.1 N		10	306 308	18	2-3 3-5	315	5-7		7046	1 1.(0.7
15	56° 52.5° N 164° 6533° W 56° 52.2 N 164° 64.1 N	PC	 ` 	 	+	 	 			7046	1 1.1	0.7
15 16	56° 52.5° N 164° 6533° W 56° 52.2° N 164° 04.1° N 56° 55.3° N 143° 53.8' W	PC S CL	10	308	15	3-5	290	6-8 5-7 5-7	-0.2	1016.5	1 1.1	0.7
15 16 17	56° 52.5° N 164° 653° W 56° 52.2° N 164° 64.1° N 56° 55.3 ° N 163° 53.8° W 56° 56.4° N 163° 50.9° W 57° 60.1° N 164° 09.1° W	PC S CL C2/SP	10	308 305	15 21 21	3-5 4-6	290 300	4-8 5-7 5-7	-0.2 -6 6	1016.5	1 1.1 5 - 1.0 5 1.0 0 5	0.7
15 16 17 18	56° 52.5° N 164° 653° N 164° 41.1° N 163° 53.8° W 56° 55.3 ° N 163° 50.9° W 164° 10.1° N 164° 10.0° 1° W 57° 00.5° N 164° 12.5° W	PC S CL C2/SP	10	308 305 305	15 21 21	3-5 4-6 4-6	290 300 290	6-8 5-7 5-7	-0.2 -6 6	1016.5	1 1.1 5 - 1.0 5 1.0 0 5	0.7
15 16 17 18	56° 52.5° N 164° 653° W 56° 52.2° N 164° 64.1° N 56° 55.3° N 163° 53.8° W 56° 56.4° N 164° 09.1° N 164° 09.1° W 57° 00.8° N 164° 12.5° M 56° 52.3° N 164° 02.7° M	PC S CL CL/SP CL	10 10 10	308 305 305 305	15 21 21 23	3-5 4-6 4-6 5-7	290 290 270	6-8 5-7 5-7	-0.2 -6 6 6	1016.5	1 1.1 5 - 1.0 5 1.0 0 7.5 5 - 1.0	0.7 -1. 0
15 16 17 18 19	56° 52.5° N 164° 65.3° N 164° 64.1° N 56° 55.3° N 163° 53.8° W 56° 56.4' N 163° 50.9° W 57° 00.8° N 164° 09.1' W 57° 00.8° N 164° 12.5° W 56° 52.5° W 164° 02.7° W	PC S CL CL/SP CL	10 10 10 10	308 305 305 305 297	15 21 21 23 24	3-5 4-6 4-6 5-7 5-7	290 290 270 270	5-7 5-7 5-7 5-7	-0.2 6 6 6 -0.3 -0.5	1016.5 1016.5 1017.5 3 1017.5 1017.5	1 1.1 5 -1.0 5 1.0 7 -5 5 -1.0 6 -0.9 0 -1.1	0.7 -1. 0 -1.
15 16 17 18 19 20 21	56° 52.5° N 164° 653° N 164° 65.3° N 163° 53.8° W 56° 55.3° N 163° 50.9° W 57° 00.1° N 164° 00.1° N 164° 12.5° W 56° 52.5° N 164° 02.7° W	PC S CL CL CL	10 10 10 10 10	308 305 305 305 297 322	15 21 21 23 24 28	3-5 4-6 4-6 5-7 5-7 5-7	290 290 270 270 270	5-7 5-7 5-7 5-7 5-7	-0.2 6 6 6 -0.3 -0.5	1016.5 1016.5 1017.5 1017.5 1017.5 1017.5	1 1.1 5 -1.0 5 1.0 7 -5 5 -1.0 6 -0.9 0 -1.1	0.7 -1. 0. -1. -1. -1.

PRESENT WEATHER SW CL CL S S/CL S/CL CL	M	DIR. (True) 296 334 321 320 323 325 330 323	SPEED (Kts.) 24 (7 22 25 20 22	8 - 9 HEIGHT	SWELL DIR. (True)	WAVES HEIGHT (Ft.)	-0.5 -0.5 -0.3	1019.0 1014.6	DRY BULB	WET BULB
SW CL CL S S/CL S/CL CL	6 10 10 10 10	DIR. (True) 296 334 321 320 325 330	SPEED (Kts.) 24 (7 22 25 20 22	6-8 6-8	DIR. (True)	HEIGHT (FL)	-0.5 -0.4 -0.3	1014.5 (mb)	DRY BULB -0.5	-0.8 -1.0
5W SW CL CL S S/CL 5/CL CL CL	6 10 10 10 10	7746 334 321 320 323 325 330	24 (7 22 25 20 22	6-8 6-8	(True)	(Fi.)	-0.5 -0.4 -0.3 2	1019.0 1019.0 1014.0	-0.5 -1.1 1.0	-0.8 -1.0
SW CL CL S S/CL S/CL CL	6 10 10 10 10	334 321 320 323 325 330	17 22 25 20 22	6-8 6-8 -		 5-7	-0.4 -0.3 -, 2	1019.0 1014.6 1019.5	1.0	1-5
CL CL S S/CL S/CL CL CL	10 10 10 10 10	321 320 323 325 330	22 25 20 22	6-8		 	-0.3 -, 2	1014.s	1.0	1-5
5 S S/CL 5/CL CL	10 10 10 10	320 323 325 330	25 20 22	6-8		 	-,2	1014.5		
5 S S/CL 5/CL CL	10 10 10	323 325 330	20 22			 		1	7	
S S/CL 5/CL CL	10	325 330	22	- 5-1	310	2 - 1				
S S/CL 5/CL CL	10	330		5-7		۷-۵	0,4	1020.0	-1.5	-1.5
5/CL 5/CL CL	10	 	26	2 /	310	3-5	-0.5	1020.0		<u>-/.</u>
CL		323		4-6	30 5	5-7	-0.5	1020.1	-1.9	-/.
CL	10		24	4-6	310	5-7	0.4	1020.2	-1.7	-1.
CL		336	24	3-4	310	5-6	-0.5	10201	-2.2	- 2.
	10	335	24	3-4	310	5-6	-0.5	10201	-2.2	-2.
ch	10		15	3-4	315	5-6	-0.4	1026.4	-1.6	- 10°
CL	10	330	21	3-4	318	5-6	6.4	1021.9		-10
Ru	10	307	27	4-6	310	8-10	-O.	1021.5	-1.5	- 1.5
R/W	10	315	20	4-6	315	8-10	_ G. 1	1022.0	- 1.5	-1:
R/W	10	36	23	4-6	320	8-10	-02	10215	-1.5	-1-
RSP	10	300	30	6-8	290	6-8	6	1021.1	-0.5	
14/W	10	310	31	6-8	300	8-10	-0.6	1021.9	-1.8	-1.
CL	10	320	30	4-6	300	8-10	-0.9	1022.0	-26	-2.
CL	10	327	26.4	4-6	295	10-12	-U, 9	1021.5	2.0	7.
1 .	10	320	33	4-6	300	10-12	-0.4	10219	-1.8	-1.
61		371	30	4-6	290	10-12	-1.)	1022.1	-2.1	-۲.
CL	10	315	27	4-6	+	10-12	- 0.9	1022,2	-2.5	-2,
ch	10	312	32	4-6		10-12	-0.3	1022.5	-2.3	-2,
CL	1		_	10		10-12	-0.7	1623.4	-2.7	-3,
_	ch ch ch	ch 10 ch 10 ch 10 ch 10	ch 10 320 ch 10 320 ch 10 320 ch 10 315 ch 10 312	ch 10 320 33 ch 10 320 30 ch 10 315 27 ch 10 312 32	ch 10 320 33 4-6 ch 10 320 30 4-6 ch 10 315 27 4-6 ch 10 312 32 4-6	ch 10 320 33 4-6 300 ch 10 320 30 4-6 290 ch 10 315 27 4-6 300 ch 10 312 32 4-6 300	ch 10 320 33 4-6 300 10-12 ch 10 320 30 4-6 290 0-12 ch 10 315 27 4-6 300 10-12 ch 10 312 32 4-6 300 10-12	ch 10 320 33 4-6 300 10-12 -0.9 ch 10 320 30 4-6 290 0-12 -1.1 ch 10 315 27 4-6 300 10-12 -0.9 ch 10 312 32 4-6 300 10-12-0.8	ch 10 320 33 4-6 300 10-12 -0.9 1021.9 ch 10 320 30 4-6 290 0-12 -1.1 1022.1 ch 10 315 27 4-6 300 10-12 -0.9 1022.2 ch 10 312 32 4-6 300 10-12-0.8 1022.5	ch 10 320 33 4-6 300 10-12 -0.9 10719 -1.8 ch 10 320 30 4-6 290 10-12 -1.1 1022.1 -2.1 ch 10 315 27 4-6 300 10-12 -0.9 1022.2 -2.5 ch 10 312 32 4-6 300 10-12 -0.8 1022.5 -2.3

AAO	SHIP	 		······································		DAY		DATE	_	TIME ZO	ΝĒ	
	WILLER	FREEA	NAN			Tuesd	Ay	4, M43	1.99	18		
							<u>,</u>					
гімЕ	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIN	D	WAVE IGHT 71.)	SWELL	WAVES	WATER EMP. Oc	A LEVEL RESSURE (mb)	TEMPER C	RATURE
			BISIV	DIR. (True)	SPEED (Kts.)	SEA V HEI (F)	DIR. (True)	HEIGHT (Fl.)	SEAW TE	SEA I PRES	DRY 8u lb	WET BULB
01	5703206 N 166 4766 W	de	10	311	26	6-8	250	10-15	-0.5	(0240	2,0	-گ
02	57°33. N 166°58 W	ci	10	318	26	8-10	320	10-15	-0.5	60240	2.1	-2.7
03	57°3510N	CL	10	323	23	7-10	318	8-10	-0.8	1024.9	-20	-2.
04	157025 7.N 167118.41 W	CL	10	338	28	6-8	320	8-10	8	1024.0	-2.1	-Z.
05	50037.60N	CL	10	335	26	68	320	8-10	6	1024.3	-21	- 2.,
06	5777.4N 167 38.7W	CL	10	335	30	6-8	320	8-10	6	10241	-2.1	-2.
07	16737.5W	4	10	932	30	4-6	315	8-12	7,8	1025,0	-3, 2	-3.7
80	57-38.0'N 167-37.1'W	CL	10	335	24	4-6	315	8-12	-0.7	1025-1	-3.0	- 3.
09	57 37 6 W	(レ	10	378	27	4-6	305	7-8	2.8	10243	~7.2	- 2.
10	57040.3 N	CL	10	378	27	4-6	305	7	-0.8	1025.0	- 2.4	ز.∠-
11	67043.4 N 168015.6 W	CV	10	344	70	4-6	320	7-8	-0.2	1025.0	-2.3	-2,
12	57°46. N	C1	10	318	26	2-4	346	4-6	-0.4	1025.8	-3.5	-3,2
13	77:47 W	در	10	320	21	2-4	322	46	-04	1026.0	-40	-3.
14	57 44 N	CL	(0)	320	21	2-4	320	48	و.ع	10258	1.1	0.1
15	66-42-66 W	در	10	309	16	2-3	218	4-6-	0.4	10255	-2. 5	-3.
16	54.39.1 N	PC	10	317	17	3-5	280	4-6.	0.3	1075.5	-2.1	-1.
17	67043.31 N (69055.76W	PC.	10	286	18	3-5	265	4-5	0.3	1025.5	2.0	-2
18	57 Si 168 52.3	4C	10	305	13	45	315	4-5	-0.4	1025.0	-1.9	-2.
19	57 52.4 N 168 52.3 W	PC	10	310	13	4.5	315	4-5	-0.4	1025,1	-0.3	0,2
20	58°02.4 W	PC	10	305	15	7-3	240	2-3	-0.8	1024.2	0·2	9.7
21	58°02.2 N 168°54.0 W	PC	10	308	14	2-3	250	2-3	-0.6	10234	- l.l	-1.0
22	37°57.6 N	PC	10	299	13	7-3	750	7-3	1	10235	1.1	-1.
23	57455.9N	٥	10	292	10	2-3	250	1-2	- , Z	1023.9	-,1	- ,
24	570 52.61 N	PC	10	292	 	2-3	250	1-2	-062	(024,0	5	-2
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WEATHER OBSERVATION SHEET

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NOAA S	SHIP			<u> </u>		DAY		DATE		TIME ZOI		
4.1	uli ca	racca	. 4.	/		wednes	Sclaw	5 MA	1.99	+8		
<u>/V</u>	liller_	PILE E/V	1/T/ V			100000	20.79 _1	27:11/	<u> </u>			
	POSITION	PRESENT	È	WIN	D	AVE THT	SWELL	WAVES	WATER EMP.	EVEL SURE	TEMPER 0	
TIME	(Lat. and Long.)	WEATHER	VISIBILITY (N.M.)	DIR. (True)	SPEED (Kts.)	SEA WAVE HEIGHT (Ft.)	DIR. (True)	HEIGHT	SEA W.	SEA LEVE PRESSURE (mb)	DRY BULB	WET BULB
01	169 51.78 W	CL	10	318	8	<1			0.2	0239	.5	,5
02	57°47.5 N	U3-	10	286	10	<1			00	10230	220	0.5
03	57046. N	(U/5-	16	2-94	1 (C1			0,6	10229	0.0	0.5
04	16878 W	3/01	10	296	09	2-3	250	Z-3	0.11	1022.2	0.5	-0.9
05	165045.31W	5/cL	10	300	18	0-2	305	1-3	-0,3	1022.0	1.0	0.0
06	57.51.0'N	ZL	10	000	11	1-2	Z50	3-4	-0.4	1021.9	0.8	-0.5
07	168051.91W	CL	10	335	10	1-2	255	3-4	-0.5	1021.9	-1.0	-1.5
08	168 52.2 W	24	10	337	16	1-2	250	3-4	-0.4	1021,9	6	-1.2
09	168°50.3W	CL	10	331	17	1-2	250	3-4	-0.5	1072.0	-1.3	-2.0
10	1100 52.6 W	ch_	10	337	13	1-2	250	2-3	0.4	1027.1	-1.2	-1.8
11	168°51.8 W	ch_	10	378	22	1-2	260	7-3	-0.1	1077.1	0	6
12	57.34.57 N	CL	10	3.15	23	2-4	2.60	4-5	-0.3	10221	9,00	2
13	168-02.75W	CI	10	315	18	3-4	260	5-6	10.5	1023.	6 .5	0:0
14	164.15.03W	Cl	10	316	17	2-4	270	> 4-5	-0.1	10238	219	0.5
15	57 X40 N	CL	10	3/5	17	i-3	290	3-5	0.5	1024		
16	169 184 W 57004.01N 169034.8'W	01	10	314		1-3	300	4-5	-0.1	1023 8	1.0	
17	54003 OIN	101	10	310	20	3-5	285	4-6	6	1023.	8 1.5	0.2
18	57 029 W	GAPC	10	305	23	3-5	288	746	4	1023.		0.3
19	76054,31N	20	10	310	22	3-5	285	5-7	-,4	1023	91.2	0.0
20	170000.81W	PC	10	310	16	3-5	240	5-7	-11		01.1	٧٧
21	189627 I.M.	PC	10	316	71	3-5	320	5-7	7 1.1	1023.	11.	ح،-
22	169050.1W	PC	10	316	20	3-5	320		1.0	1023	44	5
23	56040.6 N	_	10	T-, .	23	3-5	320) 5-7	7 1.1		91.1	0
24	56040-9N	J PC	10		23	3-1		l	7/10	1020	1,61,0	0.0
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TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIN	10	EA WAVE HEIGHT (Ft.)	SWELL	WAVES	WATER EMP.	EVEL SURE b)		RATURI OC
			VISIE (P.	DIR. (True)	SPEED (Kts.)	SEA HEI (F	DIR. (True)	HEIGHT (Ft.)	SEA ¥	SEA LEVEL PRESSURE (mb)	DRY BULB	WET
01	56°26.36 N	cl	10	315	20	2-3	310	45	211	10245	1,5	-0.
02	56 26.0 · N 170 13.0 ω	PC	10	320	21	6-8			2.2	1024.1	1.5	-0.
03	56 22.76 N 170 03.21 W	PC	10	306	16	4-6			2.2	10247	1.5	-0.0
04	169 41.9 W	PC	10	315	20	4-6	310	5-7	2.6	1024.5	1./	0.0
05	169 45.1 W	PC	[0	316	17	4-12	310	4-6	2.7	1024.0	1,5	10
06	169029.41W	CL	10	320	22	3-5	310	4-6	2.6	1027.0	1.2	0.0
07	169014.21W	CL	10	320	20	3-5	310	4-6	2.8	1024.0	1.5	0.0
80	16707.7	CL	10	324	18	3-5	320	U-6	2.7	1023.5	1.4	0.0
1	55'39.7'N 168'45,1'W 55°31.H'N	PC	10	326	18	2-4	315	3-5	2.6	1023.1	2.6	2.6
10	168°37.1'W	PC.	10	313	19	2-4	320	3-5	2.9	1023.2	4.1	1.7
11	55° 27 4 N 163° 17 4 W	PC	10	317	15	7-4	370	3.5	3.2	1023 2	7.8	6
	55 0 N 168 15 V	PC	10	318	18	2-4	320	3-5	<i>3</i> . 3	(0)35	2,0	-5
13	16 817,10 W	ρc	(6	343	15	2-4	330	45	3.4	1024.9	1.1	0,5
14	168 1038 W	PC	10	318	12	2.4	332	4-5	3,2	1023.5	10	-011
15	105011 W	PC	10	314	(3	2-4	770	4-5	3.1	1073.2	1,9	0.0
	168 04.9 W	PC	10	30315	13	2-3	320	5-7	3.0	1323.4	2.0	71, 0
' '	167052.6'W		10	300	13	2-3	310	4-6	2.8	1023.0	1.1	-/./
	55° 39.2- N	CL	10	315	14_	2-3	310	4-6	2.8	1022.9	0.0	-/./
20	16-1 30.0 W	CL	10	302	15	23	310		2.7	1022.2	0,1	7.5
	167º17.4 V	d	10	310	13	7-3	310	4-5	7.5	10.22.0	0.1	-1.6
	167.48 0 W	CL		193	9	2-3	<u>३००</u>		-	1021.0	-6 ک	-2.1
22 /	55°53'9'N 166°541'W 55°57.9'N	CL	10	296	13	2-3	310	3-5		1021.5		-1.8
	55059 N 16635 W	<u>cl</u>	10	295	15	7-3	300	3-5	Ī	1021-2		-1.7
24	166°35 W		10	248	11	2~2	300	3-5	1.9	621.4	0.5	-1,0

NÖAA	SHIP					DAY		DATE		TIME ZO	NE	
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ГІМЕ	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIN	ID.	SEA WAVE HEIGHT (Ft.)	SWELL	WAVES	WATER EMP.	EA LEVEL RESSURE (mb)	TEMPE	RATURE
_			(N)	DIR. (True)	SPEED (Kts.)	SEA !	DIR. (True)	HEIGHT (Ft.)	SEA W	SEA L PRESI	DRY BULB	WET BULB
01	166032.16	a	10	298	11	253	300	2-3	2,0	6219	~,5	9
02	66°25.00 W	CL	16	287	14	2-3	290	2-3	20	1021.5	1.0	.8
03	58°03.06 N 66°14 42 W	CL	10	295	10	2-3	2	/	2.0	10210	-0.1	-0.
04	56 03. 3 W	CL	10	290	9	1-3			1.9	1020,9	8.9	0,7
05	55 56.2 N 166 11.5 W	CV	10	305	11	1-3			2.1	4.054	1.8	1.8
06	\$55.5N 166 LO.9W	CL	10	310	12	0-1	330	1-3	1.9	1020.0	-0.1	-1.0
07	56004.71N 16606.4.W	CL	10	305	12	0-1	320	2-3	2.0	1020.4	-0.8	-0.3
08	56. 10.3.N 166.07.4.W	CL	10	303	9	1-2	315	2-3	1,9	1020 .1	0	0
09	57. COH. 9. W	CK PC	10	310	10	1-2	320	2-3	13.3	1019.9	1,0	.9
10	166.50.3 M	ct PC	10	17	2.3	1-2	320	2-3	2.9	1019.8	3, 3	1.8
11	96002.DN 166°22-7W	PC	10	145	2	1-2	320	7	20	1019.0	1.8	0
12	55.54.08N.	PC	10	140	۵.	1-2	300	2,-	20	1019.0	0	3.0
13	56°00 41 N 166°32.61 W	PC	10	180	5.	1-2		2-	200	(0(84	6.5	3.0
14	56°021,22 W	PC	10	218	5	1-2		2-3	2.0	1018.8		1.5
15	56°03 65N	Pc	10	220	4			2-3	2.8	1018.2	5.0	2.0
16	56003.41N 166019.91W	PC	10	200	5	0-1	310	Z-3	2.2	1018.0	4.9	1.8
17	56003.6'N 166020.0'W	PC	10	215	5	1-2	300	2-4	2.3		6.0	2.0
	26003.5 IN 166020.4'W	PC	10	150	OZ	0-	300	2-3	2.2	1016.8	4.0	1.0
10	2603.61 N 1660 20.6'W	PC	10	150	02	0-	300	2-3	2.2	1016.8		1.0
20	56°C3,3 N	PC	10	202	173	0-	300	1-2	2.7	1016.2	7.1	3.2
21	56° 03 .8' N	PC	10	200	03	0-	300	1-2	_	1016.	5.0	5.1
	56°03.8.N	PC	10	123	03	0-	300	1-2		1016.0		1.8
23	166°13.8'N	PC	10	121	5.6	0 -	280	1-2		10160		.9
24	56 04.47 N 166 18.04 W	Pc/5	10	151	5.0	\$ -	300	1-2	2.5	1016.0		1.0
EMAR	KS 2350 SLOW	' // 🗸		, , ,	7,0		<i>)</i> 0 -		211	faloro	-C17	1.0
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	MILLER	FREEMA	U			SATUR	day	8,M	1,49"	18		
TIME	POSITION	PRESENT	<u>}</u>	WIN		T T	SWELL	WAVES	E .	VEL	TEMPER 0	ATURE
	(Lat. and Long.)	WEATHER	VISIBILITY (N.M.)	DIR.	SPEED (Kts.)	SEA WAVE HEIGHT (F1.)	DIR. (True)	HEIGHT (Ft.)	SEA WATI	SEA LEVE PRESSURE (mb)	DRY BULB	WÉT BULB
01	56 12 . 54 N	d/5	2	123	8		-		2.2	1015.1	2,0	1.0
02	56°16,16 N	Su	1	118	マ			- 50	1.7	1015.0	.5	0,0
03	56.22. N	SW	1	113	13		_		1.5	1014.5	1.5	,5
	56026.41N 166012.81W	SiU	10	107	13	3-5	300	3-4	\$1.4	1014.1	1.0	0.0
ا د	560 20.61 N 1640 58.61 W	CL	10	107	15	3-5	300	2-3	1./	1013.9	1.2	0.0
ا ۳۰	56038.51N 164039.41W	CL	10	105	16	<i>z-3</i>		z-3	0.6	1013.5	1.0	-0.8
ا "	56040.71N 164029.9.W	CL	10	109	15	<i>Z-3</i>	1		0.6	1013.5	1.1	-0.5
۰° ا	56. 45.91 N 164. 50.0.W	CL, S	10	109	/3	1-2			-0.7	1013.5	- 1.0	-1,0
٧′ ا	56044.1 W	ch,5	10	133	10	1-7			-1:0	1013.1	0.1	<u> </u>
10	56043.1°W	CL	10	134	11	1-2			-1.2	1013, 1	1.7	0.1
-+1	560 44 N											
12	164 OF W	cl	10	J 11	11	1-2			-1,2	1012,9	1.0	ව <i>. ෆ</i>
13	164 04 W	CL	10	111	11	-5			-1.2	10129	1.0	00
14	360 44 N	cl	10	iw.	13		_			10150	0,0	-1,0
15	560 48 46 N	CL	10	88	14	1577			-1.2	ابتزاما	~1,0	- 1,4
16	5648.9x	PG	10	86	14	IN	ICE		-1.1	1011.5	-0.5	-1.5
17	164001.2'W	PC	10	090	17	Z	130	2	-1.0	1010.9	0.0	-1.2
18	56 48.6 N	14	10	684	21	رد	100	2	71.0	1010.5		-0.5
19	56048.81N 164003.3'W	C	10	074	19	1-2	135	4_	-1.0	10/0.1	+.8	9
20	56 42.0'N	C	10	070	20	2-3	090	3-4	-0.8	1009.9	-0.5	-1.0
21	56045.9'N	<u> </u>	10	072	25	2-3	100	3-4	~0.7	1009.3	L	-2.1
22	56°43.9'N 164°06-5	<u> </u>	10	064	22	7-3	100	3-4	-0.1	1009.1	1	P. 1-
23	16 400 by 10 163 34 11 11 11 11 11 11 11 11 11 11 11 11 11	α	10	051	73	2-3	100	3-4	-0.0		-1.1	-1,4
24	56°25 W. (KT24 W.	0/2/5	10	050	23	3-4	100	4-5	-0.6	10079.	00	-0.5

NOAA FORM 77-13D (3-76)

IOAA S						DAY		DATE		TIME ZO	NE	
	SHIP					DAT		_	32.	+8		
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						· ·				г. 1		
IME	POSITION	PRESENT WEATHER	CITY	WINI)	EA WAVE HEIGHT (Fi.)	SWELL	WAVES	WATER EMP. Oc	EA LEVEL RESSURE (mb)	TEMPER 0	ATURE
	(Lat. and Long.)	"EATTION	VISIBILITY (N.M.)	DIR. (True)	SPEED (Kis.)	SEA V HEI	DIR. (True)	HE1GHT (F1.)	SEA W	SEA I	DRY BULB	WET
01	56°22 ~	CL/NS	10	52	21		-511		0.6	1007.0	~0.0:	0.2
02	165 13.657	CL	(0	47	27	_	-		1,0	10060	0.0	0,0
03	56° U4.74 N	CL	10	42	20			-	1.1	1005.0	QU	0.0
~	55059.41N 162069.2'W	CL	10	027	24	3-5	100	3-5	1.2	1003.9	0.5	0.2.
7.5	55059.01 N 1630000 W	CL	10	0Z3	21	4-6	100	5-4	1.4	1002.5	1.0	0.5
06	55046 91N	CL	10	025	18	3-5	020	5-7	1.6	1001-1	1.5	1.2
	162048.2'W 55051,2'N 162656.7.W	CL	10	040	23	3-5	020	4-6	1.6	1009.9	2.2	2.0
08	\$6053.5 W	ch	Je06	026	24	2-3	40	4-6	1.4	1001.1	1,4	1,4
09	163" 27.4 W	ŮL.	054	026	25	2-3	030	4-6	1.2	1001.5	1.6	1.0
10	56-14.7'N 163-41.8'W	CL	06	023	27	3-4	080	4-6	1.3	1001.2	2.9	1.9
11	56017.0W	CL/s	ОY	019	24	3-4	670	6-8	1,0	1002.2	1.2	1.0
12	56"07.94 N 164"00.30 W	CL/5	04	010	24	3-4	070	4-6	1.5	1003,0		til
13	55058 N 63400. W	ci/s	06	010	27	3-4	065	4-6	1.8	1002	+ -	1.6
14	55°46 05 N	cl	10	354	29	4-6	080	8-10	1.8	1002	 	
15	550 38.0 N	EL	10	005	30	4-6	75	1042		1001.	1-	00
16	164036.1'W	CL/F/S	2	000	30	5-7	350			1001.5		1.8
17	55024.7'N 164049.6'W	CL	6	000	29	5-7	345			1001.8		1.9
18	165001.2'W	CL	10	350	29	5-7	340	8-10	2.4	1002.1	2.9	1.9
19	165013.7'W	CL	10	350	27	5-7	340	8-10	2.7	1	$\frac{3}{2}$	
20	165026.4 W	CL	10	337	27	5-7	339	8-10			27.4	
21	54043.0N	CL	10	333	31	5-7	340			\neg	02.5	
22	540 21.4 N	ch	8	336		5-7	340			- 1007.	_	0.6
23	146°03.7 W	CL	8	330	25	-5	340	2 8-1	0 3.2	100	74 2.1	0.6
24	166" 13 W	CL	10	334	28	5-6	340	5 8-1	93.5	1008	19 215	0,8
REMA											,	
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