NOAA	FORM	77-13d	

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

NOAA		<del></del>				DÂY	<del></del> -	DATE	7	TIME Z	ONE	
1	1, LLER F,	REEMAN	•			THU	KSDAY	1	21/98		8	
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TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	ILITY ft)	WII	۷D	AVE SHT	SWELL	WAVES	P. P.	EVEL	TEMPE	RATURE OC
			VISIBILITY (N.M.)	DIR. (True)	SPEED (Kts.)	SEA WAVE HEIGHT (Ft.)	DIR. (True)	HEIGHT (Ft.)	SEA WATER TEMP.	SEA LEVEL PRESSURE (mb)	DRY BUL8	WET
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15			Dan 1				,	,				
16	57° 43.9 N 152° 17.3 W	PC	8+	28	10	2	270	4	6.8	1001.2	6.5	5.0
17	57.47.3N	PC	8+	19	11	2	350	4-5	6.8	1001.2	6.3	5.0
18	57. 52.2N 157. 57.4W	pe	8+	10	12	3	350	4-5	6.8	1000.8		5.0
19	57° 57.2N 151° 42.6W	PC	8+	350	1/	3	20	4-5		1000.6		4.8
	151. 21.5W	CL	10	344	16	3	60	4-5		999.1	6.7	5.2
71 1.	51'70,4W	CL-R	8	349	16	4	60	5	6.8	998.3	6.3	5.3
22	57.79.3W	CL-R	P	775	17	4-6	60	5	6.8	9981	68	6.0
23	157.47.8W	CLR	6	003	15	3-4	55	4-5	6.7	997.5	7.9	6.5
2ª /	520 08,9'W	RW	4	008	20	4	350	6	6.8	997.4	6.5	6.2
REMAR	MF-98-	08			·,					_		t
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MILLER FREEMAN R-223 FRIDAY ZZ MAY98 +8  TIME   POSITION   PRESENT	NOAA	SHIP			- 172	AIIILI	TDÂY	RVAIIU		<u> </u>	TTIME 70	NE	
TIME (Left and Long) PRESENT		AAAAA AAAAA AAAAAAAAAAAAAAAAAAAAAAAAAA											
61 \$52.9721	M	LLER F	KEEMA	IN	<u>R-2</u>	223	FRID	AY	22 n	1AY98	1 + 8	3	
61 \$52.9721		T	·	1	Ţ		<del></del>	,		<u>,                                     </u>		<del></del>	
61 \$52.9721	TIME		PRESENT	<u> </u>	WIE	ND	>± ₩	SWELL	WAVES	ER =	VEL		
61 \$52.9721		(Dat. and Doing.)	WEATHER	SIBII	DIR.	SPEED	A K Fr.	DIP	HEIGHT	OW A	A LE ESSI (mb)	<del></del>	
\$\frac{1}{2} \frac{1}{2} \frac	141	580 43.11N		5	(True)		8,	(True)	1	SE/	N G R		
03	01	1520 29.2W	· / _	6	340	<del>                                     </del>	4-5	350	6-7	6.4	998.1	6.0	5.3
10 15 17 16 1	02	1520 47.3'W		6	347	19	4-5	350	4-7	6.4	997.9	6.3	5.4
05 58 20 10 1		1725 04.9 WI					3-4	350	6	6.5	998.	66	5.7
66 St. MAN R 6 307 10 J 0 J 68 997.9 6.9 5.9  66 St. MAN R 6 307 10 J 0 J 68 997.9 6.9 5.2  68 St. MAN R 6 307 10 J 0 J 67 797.8 6.8 5.2  69 St. MAN R 6 277 7 2 2 10 S 6.8 997.8 6.8 5.9  69 St. MAN R 6 277 7 2 2 10 S 6.8 997.8 6.8 5.9  69 St. MAN R 6 277 8 1 270 3 6.7 977.8 6.8 5.9  69 St. MAN R 6 8 257 8 1 270 3 6.7 977.8 7.2 6.7  10 St. MAN R 6 8 250 10 1 270 3 6.7 977.8 7.2 6.7  11 St. MAN R 6 8 255 23 3 290 6 6.5 997.8 6.8 5.0  12 St. MAN R 6 8 285 23 3 290 6 6.5 997.8 6.8 5.0  13 St. MAN R 6 8 320 17 3.4 290 6 6.9 97.7 6.3 5.8  14 St. MAN R 6 8 346 08 3.4 290 6 6.4 100.1 8.5 3.1  15 St. MAN R 6 8 346 08 3.4 290 6 6.4 100.1 8.5 3.1  16 St. MAN R 6 8 346 08 3.4 290 6 6.4 100.1 8.5 3.1  18 St. MAN R 6 8 346 08 3.4 290 6 6.4 100.1 8.5 3.1  18 St. MAN R 6 8 346 08 3.4 290 6 6.4 100.1 8.5 3.1  18 St. MAN R 6 8 346 08 3.4 290 6 6.4 100.1 8.5 3.1  18 St. MAN R 6 8 346 08 3.4 290 6 6.4 100.1 8.5 3.1  18 St. MAN R 6 8 346 08 3.4 290 6 6.4 100.1 8.5 3.1  18 St. MAN R 6 8 346 08 3.4 290 6 6.4 100.1 8.5 3.1  19 St. MAN R 6 8 346 08 3.4 290 6 6.4 100.1 8.5 3.1  10 St. MAN R 6 10 0.7 14 200 6 6.4 100.1 8.5 3.1  20 St. MAN R 6 10 0.7 14 200 70 70 6.6 10.7 7.0 6.8  21 St. MAN R 6 10 0.7 14 200 70 70 70 70 70 6.8  22 St. MAN R 6 10 0.7 14 200 70 70 70 70 70 70 70 70 70 70 70 70 7	04	1530 73.60	<u> </u>	6	297	18	3	350	6	6.7	997.9	6.7	5.6
07 65 05 3W R 6 277 7 2 10 5 6.8 C982 6.650 08 74 14 14	05	153° 30.9'W	R-	<del>                                     </del>	298	16	3	350	(ب	6.8	997.9	6.9	5.4
8		153. 44.6 W	R	6	307	10	3	0	5	6.8	998-1	6.8	5.2
09	07	153° \$7.3W	<u> </u>		277		2	/o	5	6.8	C98.2	6.6	5.0
10 \$\frac{51772, \text{th}}{51772, \text{th}} \text{CL}  0 \ 70 \ 10 \ 1 \ 70 \ 70 \ 70 \ 70 \ 7	08	154º14.6W	<u> </u>	8	//	8	/	230	3	6.7	9978	6.8	5.4
11 SY 12.3W CL 8 320 22 2-5 200 6 6.5 99.78 6.8 5.0  12 SY 300'N CL 8 285 23 3 APD 6 6.5 99.82 6.4 5.3  13 SY 350'N CL 8 320 18 3-4 290 6 6.6 99.87 6.3 5.8  14 SY 351'W CL 8 320 17 3-4 290 7 6.6 99.91 6.5 5.8  15 SS 303'N CL 8 346 08 3-4 290 6 6.7 79.6 7-0 6.2  16 ST 31.3'W CL 8 346 08 3-4 290 6 6.4 100.2 7.9 6.8  17 ST 41.0 W CL 8 355 07 3-4 290 6 6.4 100.1 8.5 7.1  18 SS 41.0 W CL 8 355 07 3-4 290 6 6.4 100.1 8.5 7.1  18 SS 41.0 W CL 8 355 07 3-4 290 6 6.4 100.1 8.5 7.1  18 SS 41.0 W CL 8 355 07 3-4 290 6 6.4 100.1 8.5 7.1  18 SS 41.0 W CL 8 41 8 3-4 260 6 6.4 100.1 8.5 7.1  19 SS 43.2 W CL 8 VAR LT 1 290 2 6.5 100.2 4 6.7  20 15 5 5 12 W CL 8 VAR LT 1 290 2 6.5 100.2 4 6.7  21 15 5 7 17 17 W PC 10 115 8 2 070 3 6.7 100.9 7.0 6.8  22 15 7 10 17 W PC 10 0715 8 2 070 3 6.7 100.9 7.0 6.8  23 15 7 10 17 W PC 10 0715 8 2 070 4 6.7 100.9 7.0 6.8  24 155 27 5 17 W PC 8 352 15 2 070 4 6.7 100.9 7.3 5.9  EMARKS 19 - 95-08		154.22.64	CL			10	1	230	3	6.7	9978		6.7
11 8 9 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10	154.72,3W	CC	8	318	14	1-2	290	4	6.5	9977	8.0	71
12	- 1	54.460W	CL	8	320	22			6	6.5	997.8	6.8	
13 39.772.1 CL 8 320 18 3-4 290 6 6.6 998.7 6.3 5.8  14 54.55.1 W CL 8 320 17 3.4 290 7 6.6 999.1 6.5 5.8  15 57.36.1 CL 8 310 16 3-4 290 6 6.7 799.6 7.0 2.2  16 57.31.3 N CL 8 346 08 3-4 290 6 6.4 100.2 7.9 6.8  17 57.51.0 CL 8 346 08 3-4 290 6 6.4 100.1 8.5 7.1  18 57.40.1 CL 8 355 07 3.4 290 6 6.4 100.1 8.5 7.1  18 57.40.2 W CL 8 41 8 3-4 260 6 6.4 100.1 8.5 7.1  19 57.40.2 W CL 8 VAR LT 1 290 2 6.5 102.4 2.6 7.0  20 155.1 S.2 W CL 8 VAR LT 1 290 2 6.5 102.4 2.6 7.0  21 155.0 1.7 W PC 10 VAR 5 1 070 7 6.6 103.3 8.6 6.7  21 155.0 1.7 W PC 10 0.7 8 2 0.70 3 6.3 100.4 9.0 6.8  22 155.40.2 W PC 10 0.3 1/4 2 0.70 4 6.3 100.9 9.0 6.8  23 155.24.0 CL 8 002-15 2 0.70 4 6.3 100.9 7.3 5.9  EMARKS MF-98-08		154046.91W	CL	8	285	23	3	290	6	6.5	998.2	,	5. 2
14 SY 55; W CL 8 320 17 3.4 290 7 6.6 999.1 6.5 5.8  15 SS 50.7; W CL 8 3,0 16 3.4 290 6 6.7 799.6 7.0 6.2  16 ST 34,3 M CL 8 346 08 3.4 290 6 6.4 100.2 7.9 6.8  17 ST 10.1 LL 8 358 07 3.4 290 6 6.4 100.1 8.5 7.1  18 ST 10.2 W CL 8 41 8 3.4 200 6 6.4 100.1 8.5 7.1  18 ST 10.2 W CL 8 VAR LT 1 290 2 6.5 102.4 22 7.0  20 IST 17.0 PC 10 VAR 5 1 070 7 6.6 103,3 8.6 6.7  21 ISS 01.7 W PC 10 0.7 8 2 0.70 3 6.7 100.4 8.0 6.8  22 IST 10.7 W PC 10 0.7 14 2 0.7 4 6.3 100.9 7.0 6.8  23 IST 10.7 W PC 8 352 15 2 0.7 4 6.3 100.9 7.3 5.9  EMARKS MF - 98-08	-13	134.47.6' N	CL	8	320	18		290	16	<u> </u>	998.7	6.3	
15	14	54° 55.1 W	CL.	8	220	17	3-4		7				
16 57 51 W CL 8 346 08 3-4 290 6 6.4 100.2 7.9 6.8  17 157 40.0 M CL 8 355 07 3-4 290 6 6.4 100.1 8.5 7.1  18 57 40.5 M CL 8 41 8 3-4 260 6 6.4 100.1 8.5 7.1  19 154 15.3 M CL 8 VAR LT 1 290 2 6.5 100.4 11 7.0  20 155 15.3 M PC 10 VAR 5 1 070 7 6.6 103.3 8.6 6.7  21 155 01.7 M PC 10 015 8 2 070 3 6.3 100.4 8.7  22 155 14.3 M PC 10 02.3 14 2 070 4 6.7 108.0 9.0 6.8  22 155 14.3 M PC 10 02.3 14 2 070 4 6.7 108.0 9.0 6.8  23 155 24.0 M PC 8 352 15 2 070 4 6.3 100.8 7.3 5.9  EMARKS  MF - 98-08	15	155.00.21W	CL	8		16	3-4		6		-		
17	16	155 04.4 W	CL	8	346	80	3-4	290	6			7.9	
18	17	155°10.2'W	CL	8	355	07	3-4	-		. 1		8.5	
19   STG 15:2W   CL   8 VAR LT   290   2   6.5   602.4   85   7.0   20   STG 15:2W   PC   10   VAR   5   1   070   7   6.6   108.3   8.6   6.7   21   SSG 01.7W   PC   10   0'15   8   2   070   3   6.3   1001.4   9.0   6.8   22   STG 14.2W   PC   10   023   14   2   070   4   6.3   1004.9   7.0   6.8   23   STG 27.5W   PC   8   352   15   2   070   4   6.3   1004.8   7.3   5.9   EMARKS   MF - 98-08	18	1550 11.6W	CL	8	41	8	3-4	260		<del></del>	/m2.d	8.4	
20	19	BB 13:3W		8	VAR	LT	1			/ /	4	29.2	
21 155'01.74 PC 10 0'15 8 2 070 3 6.3 1001.4 9.0 6.8 22 155'16.37 PC 10 023 14 2 070 4 6.9 10040 9.0 6.8 23 155'24.0W CL 8 002- 15 2 070 4 6.3 1004.3 7.3 5.9 24 57° 275'N PC 8 352 15 2 070 4 6.3 1004.0 7.3 5.9 EMARKS MF-98-08		155015,7W	PC	_ 1		5	7			1			,
22 155 14,24 PC 10 023 14 2 070 4 6.9 10040 9.0 6.8 23 155 246W CL 8 002 15 2 070 4 6.3 10043 7.3 5.9 24 57° 275'N PC 8 352 15 2 070 4 6.3 10048 7.3 5.9 EMARKS  MF-98-08	21	155 01.7W	PC			8	2		3	6.3 1			
23 155 246W CL 8 002- 15 2 070 4 6.3 10043 7.3 5.9  24 57° 275'N PC 8 352 15 2 070 4 4.3 10048 7.3 5.9  EMARKS  MF-98-08	22	133 14,21	PC	10		14			7	6.4	<del></del>		78
24 57° 275°W PC 8 352 15 Z 070 4 4.3 1004.8 7.3 5.9  EMARKS  MF - 98-08	23	155 246W	$C^{C}$	8	002-	15		070	4	6.3 1	0043		5.9
EMARKS MF-98-08		57° 275'N 55° 29.5'W	PC			15	7	070	4	6.3	10048		
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141	LLER FRE	EMAN	K	<u>-22</u>	3	13/4/0	RDAY	X31	14498		- 0	·
TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	15 F	WIN	10	AVE	SWELL	WAVES	P. ER	SVEL		RATURE OC
	# .		VISIBILITY (N.M.)	DIR. (True)	SPEED (Kis.)	SEA WAVE HEIGHT (Ft.)	DIR. (True)	HEIGHT (F1.)	SEA WATE TEMP.	SEA LEVEL PRESSURE (mb)	DRY BULB	WET
01	55° 46.0' V	CL	6	325	16	2.4	070	4	63	1005.2	6.8	5. 2
02	57° 21.11N 156° 04.31W	CL	6	322	16	2	070	4	4.2	1004.9	5.5	4.1
03	570 146'N 1550 531'W	CL	<u></u>	310	24	2	070	4	4.4	1004.8	5.5	4.4
04	57° 60.1W	CL	6	330	24	4	70	6	6.5	1006.7	5.2	4.0
05	157: 00.1N	CL	6	928	20	3	48	4	6.5	1007.3	5.2	46
06	156° 32.8W	<u></u>	6	340	12	2	70	4	6.2	100F.F	4.8	4.0
07	56° 56.0 N 166° 41.3 W	CL	8	333	6	2	200	ン	6.0	1668.8	5.7	36
-08	156071141	CL	8	777	5	2			6.3	1009.2	6.3	4.8
09	156'44,9W	<u>_CL</u>	8	372	15	2-3			6.1	1010.0	5.9	4.0
10	156 44.9 W	CL	10	311	18	3-4			6.1	10102	6.2	4.2
11	157°04,3 W 56° 25.0 W	PC	10	351	23	4-5			5.9	1010.8	4.6	7.2
12	157º 14.9'W	PC	10	008	14	3	290	5	5.9	1011.6	4.8	3.0
13	56° 26.8' N 158° 27.7' W	PC	10	340	17	2	290	6	5.9	1011.5	6.0	4.6
14	56° 32.5 N 157° 40.7'W	PC	10	300	23	2	290	6	5.7	1012.3	5.3	4.0
15	570 351 W	PC	10	3/2	16	2	290	5	6.1	1012.9	1.9	4.8
16	56° 13.8 N 167° 372W	PC	8+	338	14	2	270	5	10.4		9.1	4.9
17	56° 12.5 N	_	8+	350	14	2	290	5	5.8	1013.0	7.2	5.0
18	500 10.9N 157° 59.8W	C	81	30 2	9	2	290	4	5.9		8.6	6.6
19	157° 581 W	(	87	238	5	2			70	1013.7	9.0	8.1
20	156 08.34	Ç	10	190	4	1				1014.4		6.8
21	56, 01.84	ے ا	10	211	8	1				10142		5.8
22	58°5607	(	10	712	6	/				1014.2		5.2
23	58-203W	C	10	VRB	4							5.0
24	56° 20.2' W	C	10	120	05					1014.9		4.5
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						DAY		DATE		TIME ZO	ONE	
MIL	LER FREE	EMAN	<u>R-2</u>	23		SUN	10Ay	241	14/98	+	8	·
	T	A	1	Ţ	·	· <del>T</del>	<u>,                                     </u>		,			
TIME	POSITION (Lat. end Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIN	10	SEA WAVE HEIGHT (Ft.)	SWELL	WAVES	WATER EWP.	SEA LEVEL PRESSURE (mb)	TEMPE	RATURE OC
			VISIB (N.	DIR. (True)	SPEED (Kts.)	SEA HEI	DIR. (True)	HEIGHT (Ft.)	SEA W	SEA L PRESS	DRY BULB	WET BULB
ΟĪ	550 37.0'N 580 03.2'W		8	186	10	l.	250	2-3	7.5	1015.0	6.8	4.7
02	550 31.31N 1570 50.6'W 550 25.7'N		8	207	11	1	250	2-3	7./	1015.0	6.4	4.3
03	1570 40,01W	PC	8	184	08	t	250	2-3	7.2	1015.0	6.2	4.5
04	55° 19.6N	PC	8	ורו	6	1	70	2	7.5	1615.3	6.4	4.4
05	15° 54.2W	PC	8	227	5	1		200	6.6	1015.1	6.3	4.6
06	55° 24.3 N 157° 11.4 W	PC	8	138	3	(		/	6.8	1015.1	6.0	4.6
07	62° 36.00	PC	8	1.87	3	1			7.3	1015.3	58	4.2
80	167 76 9	PC	10	170	6	1			6.7	10159	1,2	4.2
09	157.45,6 0	PC	10	122	P	1			1.7	10158	4.9	4.9
,10	157156,2W	PC	10	116	7	~ 1. c t			7 7	10158	7.5	5.5
11	157°44.1 W	PC	10	132	5	/			6.2	10158	8.0	58
12	55' 48.2 N	PC	10		10	/			7 .		6.8	
13	57 31.2 W 550 41.7 IN 57° 18.6 W	PC	10	115		7				10/5.5	10	53
14	550 37.7 N	PC	10	138	10				6.6	1015.1	6.9	5.1
15	57° 10.3' W 55° 31.3' N 56° 57.5' W	PC	10	141	07	1			6.7		8.2	4.1
	56, 26.6 N	PC	10	121	03				6.9		8.1	5.2
17	55° 17.2N	PC	10	+		- ( - )	2	35 -	,	1015.3	6.8	
18	55° 12.4N	Pc	10	123	05		30	7-3	7.3		6.8	4.7
19	/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	PC	-		07			2-3		1015.3	7.0	5.0
20	55 12.6N 157 31.8W 650 06.49 157 28,6W	PC		148	06		60	2-3			6./	7.5
1	55005197	(1	10	143		-/	0)	2-7	7.6	10148	1.8	5.2
1.2	1570,7 W 55001,5 h	CL		172	12	-/	70	27	1.)	014.9	7.0	5.8
1.	55 13.47	CZ			09	1	70	2-3	1.9	10148	2	6-1
74	55 20.51 N			164			70	2-3	<del>* -</del> +	1014.7	2.0	6.2
11	では マママノ 以/!	CL	8 1	60	08		070	<b>ا د</b> ج	7.0	1014.3	7.9	6.1
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10			66	_		DAY		DATE		TIMEZ		
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TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WII	, סא	WAVE	SWELL	WAVES	P ER	SEA LEVEL PRESSURE (mb)	TEMPE	RATURI OC
			ISIB.	DIR.	SPEED	A H L	DIR.	HEIGHT	A WATI	EA LI	DRY	WET
01	550 20.8'N	-	<del></del>	(True)	(Kis.)	vs .	(True)	(Ft.)	SEA	S d	BULB	BULB
	1560 16.41W 55 20.9N	PC	8	166	08		070	2-3	7.1	1013.9		6.1
02	156 11.7 W	PC	8	130	12	1/	070	Z-3	7.0	1013.9	7.5	6./
03	55° 22.6'W	PC	8	144	15	/	070	2-3	7./	1013.9	7.8	6.3
05	156 36.8W	PC	1	143	13	1	70	2-3	6.9	10130	7.6	6.3
06	150 48.2W	/	8	158	16	2	20	2-5	6.9	142.4	6.8	5.4
07	55° 471N	00	18	127	16	2-3	70	4	6.7	1011.5	6.3	5-2
08	157 03.6W	10	8	131	18	3	70	14	6.9	1011.2	7.7	6.2
09	157' 18.9 W	CL	8	170	18	3	145	4	6.4	1010.7	7.8	6.5
10	157.70.8 5608.5 h	CL	<i>U</i>	134	0/	<b>-</b>	145	7	6.5	1010.3	7.8	6.0
11	157.26.7W	K	5	161	26	5-6	120	10	6.4	10100	7.4	5.9
12	157°17,9 W		1	17 [	24	6	160	6~8	6.3	1009.8	6.8	5.7
	157° 05.3'W	R	4	156	19	5	160	8	6.4	1009.2	6.8	5.9
	156 55,5 W	R.	4	162	23	5	160	8-10	6.4	1008,4	6.9	4.4
-	550 5041 W	<u> </u>	4	160	23	5	160	8-10	6.4	1008.9	7.8	6.9
15 16	130 481 N		4	168	2 <i>0</i>	5	160	8-10	6.5	1008.8	7.9	7.3
	156° 38.2W	<u> </u>	3	161	20	5	160	10	6.6	1008.9	8.7	7.8
17	156° 275 W	CL	7	170	17_	5	140	8-10	6.6	1009.4	9.1	8.1
18	1560 26.4	CL, L	3-4	197	/0.	5	130	8-10/		1009.9	8.0	7,9
19	55-135.2n	<u> </u>	16	200	10	4-5	/130	المارد	# - "I	1010.0		8.0
20	15613.6W	CL		200	10	7-5	175	6	7 2		9.0	8.0
21	15613,1W	CL	6+	200	10	1-4	130	6	6.7	1010.5	7.7	<u> 7,2</u>
22	156 04.7 W	<u>CC-L</u>	6	172	12	)	133	4-5	6.7	1011,0	7.5	6.9
23	55.28.2	<u> </u>	-6-			-3-						
EMAR	55'28.2 /55'59.9		6	180	17	3	135	4-5	6.8	1011.4	7.3	6.9
	MF-	98-08								<u> </u>	,-	<u>.</u>
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A'A 5	ORM 77-13D (3-76)		) m = n m = 1	***	-0	-19D (7-72	240					

IN-E		EMAN	K	- 27	<u></u>	TUES	DAY	26 M	илу98	+6	? .	<u></u>
IME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIW.	ND	EA WAVE HEIGHT (Ft.)	SWELL	WAVES	WATER	SEA LEVEL PRESSURE (mb)		RATURE OC
		ı	VISIE (N.	DIR. (True)	SPEED (Kts.)	SEA HEI (F	DIR. (True)	HEIGHT	SEA W	SEA L	DRY	WET BULB
01	55° 22.8'N 155° 48.9'W	1-/CL	4	192	14	3	135	4-5	6.9	1011.2	7.7	7.0
2	55° 28.11N 155° 35.7 W	<u>L</u> ,	ㅂ	185	14	3	135	4-5	6.9	1011.9	7.8	8.1
3	55: 29.9 N 55: 29.5 W 55 = 24.5 N	<u> </u>	2	190	14	3	135	4-5	6.9	7011.9	7-1	6.8
4	155° 34.6'W	d'L	6	217	15	3	135	4-5	7.0	10119	7.0	5.9
5	155° 34.9'W	CL	8	220	15	3	135	4-5	7,0	1012.	7,2	5.9
6	1550 464W	دد	8	189	12	3	135	4	6.9	10123	6.8	5.6
7	155° 57.9W 58 92.177	CL	8	२०४	18	3	175	4	6.8	1012.3	6.8	5.7
B	156°00.1'W	-PeCL	8	170	8	3	135	4	6.7	1012.3	7.0	6-0
9	1560 FOW 55 4161	+ccl	8	160	11	3	150	4	4.7	1012.5	7.8	6.7
0 ,	156'07, QW	<u> </u>	8	150	12	3	190	4	6.7	1012.3	7.8	4.7
<u>'</u>	156.14.7 J	<u> </u>	18	170	10	1	160	4-6	6.6	1012.0	7.6	6.7
2	156.13.6 W	PCL	8	160	13	3-	160	4-5	6.6	101.9	8.9	7.5
}	56° 26.2 W	<u> </u>	8	165	13	3	160	4-5	6.4	1011.2	7.5	4.3
4	156. 56 0 W	CL	8	140	16	3	160	4-5	6.3	1010.8	7.1	5.9
82	55.56.4 N	· · L	8	145	14	3 .	160	4-5	6.7	1010.1	6.8	5.9
	156° 12.9W	R	6	132	16	3	160	4	6.6	1058-7	6.8	6.5
<u>'</u>	55° 56.2'N	R	3	110	14	3-4	180	4-6	6.7	1607.8	6.8	6.2
	156, 003M	R	3	97	21	4-5	180	6	6.8	1005.5	7.2	4.8
' H	56 63.2	R	2-3	110	24	5-6	180	6-7	6.8	1004.9	7.2	7.2
	56009.7 R	R	1-2	121	26	5-6	170	7	6.5	1003.5	8.0	10
	56.12.1V	R	1-2	120	23	5-6	170	7	6.6	1001.7	7.9	7.5
'   T	15645,34	R	7-4	121	24	6	160	8	6.2	1000.5	7.5	7.0
· 1/	56851W	K	7-4	146	21	5-6	150	8	6.0	999.6	7.5	7.0
l A	57° 06.6' W	R	3.4	150	21	4	150	8	6.2	998.8	7.8	7.4

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MI	LLER FR	EEMAN	<u> </u>	R-27	3	WEDA	KESDAY	27/	11449B	+	<u> </u>	···
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TIME	POSITION	PRESENT	VISIBILITY (N.M.)	WIN	ID.	SEA WAVE HEIGHT (FL)	SWELL	WAVES	WATER EMP.	SEA LEVEL PRESSURE (mb)		RATURE OC
1	(Lat. and Long.)	WEATHER	SIBIL W.W.	DIR.	SPEED	A B B B B B B B B B B B B B B B B B B B	DIR.	HEIGHT	¥ No.	ESSI (mb)	DRY	WET
ļ	<u>.</u>		\$	(True)	(Kts.)	α, Π,	(True)	(Ft.)	SEA	2 S E	BULB	BULB
01	56, 24.2N	L/RW	5	140	20	4-6	160	8	6.1	918.4	7.4	7.1
02	56. 21.1' N	RW	5	150	25	56	160	8	6.2	9981	7,2	7.0
03	560 29.01N 1560 46.5W	RW	5	164	24	5-6	160	8	6.5	997.9	7.8	7./
04	51. 30.5 N 151. 40.9W	R	3	156	23	6	130	10	1.6	9984	フラ	7.3
05	150 3.5W	R	3	180	17	5	150	8	6.5	9985	8.0	7.5
06	156° 26.5W	4	3	178	18	14	150	8	6.5	998.8	8.0	7.2
07	181. 18.0M	4	3	193	19	5	150	10	16	999.0	7.8	72
08	156.04.9 W	K	4	270	20	5	170	10	6.5	1002.4	7.6	7.7
09	560 14.9 n	7	6	220	24	5	120	10-12	6.5	1004.4	7.4	6.7
10	56 11.2 h		6	212	20	5-6	175	14	6.7	1005.7	7.1	50
11	156.077 W	CL	8	220	24	5-6	196	12-14	17	1006.4	74	10
12	5%· 7/ < · N	۷۲.	8	225	20	5	190		6 /	1006.4	7.7	12/
13	156'170'W 56"39.1'N	CL	8	-		5		10-12	6.7	·/		6.6
14	560 45.4'N	CL	8	200	18	5	190	8-10-12	6.9		8.5	7./
	560 48.8 W	Ch	8		14		130	7-97	6.7	1008.3	9,4	7.8
16	260 4871 m	CL	8	178	14	5	130/	4/-	6.7	1009.3	8.9	7.3
17	26. 213M		0		14	<u> </u>	120/	6/10	4.6	10164	8.1	6.9
18	186° 01.6 W	CL	8	176	12	4	1190	19	6.6	100.6	8.2	7.0
-	- 57・ 59・ロルー		Y		13		190	8	6.6	1010.8	10.0	8.6
19	100 34.4W	6	8	183	]-[	32-3	190	8	6.6	10113	8.9	7.1
<del>                                     </del>	50 3814 n	$\frac{CL}{CI}$	8	165	10	2-5	190	0.6	7 (2)	1011.6	9.0	2,5
	55029,9 W	CL	0	165	11	4	200	7-5	6:5	102,3	8.9	7.5
22	57029.6W	6	0	150	(0	7	200	7-5	6,5	1012.6	7.3	26,2
23	56 38,8W	CZ	0	165	10	1-2	200	9-3	6,5	1013.3	2.5	Gid
24	550 34.5 W	CL	8	163	15	1-2	200	4-5	6.5	10/3,4	7.8	6.9
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NOAA	SHIP					DAY		DATE		TIME ZO	NE	
MII	LLER FRE	EEMAN	) K	2-22	3	THU	YAdz	28/	MAY98	, 7	+8	
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TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIN	ID.	SHT CHT	SWELL	WAVES	WATER EMP.	EA LEVEL RESSURE (mb)		RATURE OC
	,		VISIB (N.J.	DIR. (True)	SPEED (Kis.)	SEA WAVE HEIGHT (FL.)	DIR.	HEIGHT (Ft.)	SEA W	SEA L PRESS	DRY BULB	WET BULB
01	570 17.11N 1550 ZZ.OW	PC	8	165	12	1-2	200	4	6.5	1013.8	7.9	7.0
02	57° 16.3'N 155°13,3'W	CL	8	163	08	1-2	200	4	7.0	1014.0	7.6	7.3
03	57° 09.8'N 1550 /3,7'W	CL	8	157	08	1-2	200	4-5	6.4	1014.2	.7.1	6.5
04	155° 03.9 N	CL	8	202	10	2	200	4	6.7	1014.3	7.6	6.8
05	56. 22.8 N	رر	8	228	13	2	200	4	6.8	10142	7.0	6.4
06	155° 48.6N	( )	8	184	4	1	216	B	6.7	1014.2	6.8	6.2
07	56. 73.3M	CL	8	192	6		200	3	6.6	10144	7.2	6.7
08	155 20.7W	CL	8	090	9	7	200	7	6.7	1014.8	6.9	4.5
09	155 37. W	CL	8	140	7	1/2	200	2-3	6.6	1015,1	8.2	7.3
10	1550 WAW	CL	8	112	6	1/2	200	2-3	6.6	1015.7	9.0	7.8
11	56 03 4 h	CL	8	110	8	トン	160	7-4	6.9	1015.1	8.4	6.6
12	56'252 W	CL	8	165	08	1-2	160	.4	6.9	1015.0	8.4	7.5
13	56° 18.2' N 155° 25.2' W	CL	8	106	08	1-2	160	4	6.8	1015.1	フフ	4.9
	560 11.0'N	CL	8	110	/3	1-2	160	4	6.3	1014.7	76	5.8
15	56° 05.9'N 155° 46.3'W	CL	8	092	12	1-2	160	3	6.2	1014.2	7.7	5.3
16	155 59.50	CL	8	111	10	-1	160	3	6.9	1017.8	7.6	6.2
17	55° SL.8N	CL	8	102	12	2	160	3	7.0	1013.3	8.2	6.8
18	55° 53.62 156 12.9W	R	34	154	12	2	160	4	7.3		8.3	7. 2
19	55° 52.5N	R	3	104	17	4	160	5				7.0
20	156 06.4W	CL	5	105	15	4		5-6			8.2	23
21	550493 W	CL	4	105	15	4	<del>'''</del>	5-6	6.7	111.9	8.2	2.3
22	155 10 2 W	CL	5	105	15	4	190	6-8	6.6	1011.3	5,2	7.1
23	55-35-64W	CL-L	5	085	20	3-4	120	68	7./	10100	7.2	4.7
24	55.36.1 N 55.47.2 W	CL	5	085	20	3-4	120	6-8	7.3	109.8		73
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<u>,</u>	POSITION	Γ	T >	T		T	Т	<del></del>	Τ α	ا		
TIME	(Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIN	7	SEA WAVE HEIGHT (Fi.)	SWELL	WAVES	SEA WATER TEMP.	SEA LEVEL PRESSIIRE (mb)	1 EMFE,	RATURE OC
			v isi	DIR. (True)	SPEED (Kts.)	SEA	DIR. (True)	HEIGHT (Ft.)	SEA	SEA PRE:	DRY BULB	WET
01	55° 42.2'N 155° 37.0'W 55° 36.2'N	CL	8	086	19	3	120	6-8	6.7	1009.3		7,1
02	1550 23.6W	CL	8	074	15	3	120	6-8	6.9	1008.2	7,3	7.0
03	1550 23.2'W	R	6	111	18	3	120	6-8	6.8	1007.8	7.8	7.3
04	1/55 23.0W	در	8	102	18	3	120	6-8	6.6	10073	29	7.1
05	155 23.6 W	<u></u> :	4	103	18	3	120	6-8	6.8	1007.4	7.4	7.0
06	155 01.8W	CL	<b>a</b>	120	16	3	120	6	1 //	10070	7.6	7.2
07	554.57.57		2	143	15	4	110	7	7,2	10671	7.8	73
08	14.31.48	F-CL	2	140	16	4	110	7	6.9	10166	8.1	7.6
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NOAA FORM 77-13D (3-76)

10AA F	ORM 77-13d			*		NAT	TIONAL C	CEANIC A	U.S. DE	PARTMEN	T OF CO	MMERCE
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	-	·				w		WAVES	М С	E.L.	TEMPER	
TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	11.17 18.3	WIN	D	EA WAVE HEIGHT (Ft.)	SWELL	77023	WAT MP.	LEV SSUF nb)	6	<u>c</u>
			VISIBILITY (N.M.)	DIR. (True)	SPEED (Kts.)	SEA HE	DIR. (True)	HEIGHT (Ft.)	SEA WATER TEMP.	SEA LEVEL PRESSURE (mb)	BULB	WET BULB
01	36° 51.7°N 153° 13.9'W	L	6	165	45	3-4	130	6-8	7.2	1005.9	8.3	7.7
02	56 - 58.9'N	CL	6	207	18	3-4	130	5-6	6.9	1006.1	8.4	7.7
03	57° 03.2' N	CL	6	208	20	3_	130	5-4	7.1	1006.1	8.4	7.5
04	67: 12.12	CL	6	217	18	3	130	5-6	7.4	1006.2	8.3	7.6
05	57: 18.8 N	CL	6	222	20	3	130	5	7.1	10069	8.0	7.2
06	57° 27./N	CL	8-	206	16	3	150	5	6.9	100.2	7.7	6.8
07	57° 36.6 N	CL	8+	204	18	3	130	1.5	6.7	1006.5	7.4	6.2
08	152.03.0								ļ	<u> </u>	ļ	<b></b>
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