NOAA FORM 77-13d (3-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION DECK LOG - WEATHER OBSERVATION SHEET NOAA SHIP TIME ZONE 18 14/01 MILLERFREEMAN MONDAY SEA LEVEL PRESSURE (mb) VISIBILITY (N.M.) WAVE IGHT TEMPERATURE POSITION WIND PRESENT WEATHER SWELL WAVES TIME WATE O_C (Lat. and Long.) SEA HEIG HEIG (Ft.) DIR. SPEED DIR. HEIGHT DRY WET (True) (Kts.) (True) (Ft.)BULB BULB 01 02 03 53 54 1N 04 050 66 315 W 05 1000 C 05 06 07 53.54.1 166.31.5 08 PC 5 175 02 6.0 5.0 1000.8 0.9 10 11 53,54.1 12 5 ice 3i 280 03 W 5.0 1000.5 58 53N 13 0.5 115 10 025 1-2 1000.9 160 26.33W 100 7.0 14 54,63,3 N 15 PC 14 166.19 8 171 10004 9 54 04.3 N 166 18.4 W 16 PC 7 3-4 120 H 5.9 1000. 7.8 03 6 N 17 ァ 3-4 PC 125 13 18 2 012 03 050W 944.) 54 207N 165 519W 19 PC 3-4 40 2-3 11,0 013 169 7,7 999. 54,30.0 20 PC 182 40 010 9 21 PC 09 3-4 165.13.8 165.03.6 165.46.6 40 22 PC 070 1-2 40 2-3 5.0 23 $ho_{\mathcal{C}}$ 45 065 2-3 999,9 011 4.0 55,01.0 Tr 04 144.77.61 REMARKS

	SHIP			1		DAY		DATE		TIME ZO	NE	
^	IILLER	FREE	MA	N	- · · · · · · · · · · · · · · · · · ·	TV	ES.	5/15	101	+ 8	3	· · · · · · · · ·
IME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIN	D	WAVE GHT	SWELL	WAVES	WATER EMP.	EVEL URE	TEMPER Q	
			VISIB (N.1	DIR. (True)	SPEED (Kis.)	SEA WAVE HEIGHT (Ft.)	DIR. (True)	HEIGHT (Ft.)	SEA W	SEA LEVEL PRESSURE (mb)	DRY BULB	WET
)1	55:09,F N 164:10.7 W 35:17,1 N	PC.	10	004	03	i	-		4.7	9983	Gi	5.0
2	163.53.5 W	PC	10	020	06		-	~~	4.5	998.0	Gil	4.8
3	95:25.c N 163:36.3 W	PC	10	032	07				4.6	9980	6.0	4.9
)4	1683 24 IV	CL	10	345	03	1-2	_	_	5.0	9980	6.0	5.0
)5	55369 N 163 042W	CL	10	050	6	1-2		-	4,8	997.5	6.0	4,2
06	55 43 0N	PC	10	044	5	1-2	-	-	4.3	997,4	5.0	4,0
)7	55 475N	CL	10	028	6	1-2	_		4.1	997.2	4.2	4.0
8	55.53.7 N	PC	10	062	6	,	~		4,2	997.1	42	3.9
9	55.58,9 N 161 47,2 W	PC	12	353	4	,	~		3.7	997.0	5.0	4.0
0	161 2854	41	11	320	6	ı	<u> </u>	_	3,3	997.1	5.0	4.0
11	56.09.7 N	CL	il	342	~	1			4.4	997.1		~
2	56,15,1 N 161,51.3 W	PC	12	332		<u>'</u>					-	4.0
13	5619.8 N	PC	17	352		1			4,5	997,0	4.7	3.8
14	56 2419 N	PC	12	319	5-	41		-	4.0		5.8	4.5
15	56 24.9 N	80	12	321	6				3.8	996.9	5.3	4.3
16	56 24.9N 160 13.0W	PC	7	313	8	41				946.8	7.2	6.5
17	5624.8N	PS	7			4)			4.1	996.6	7.0	5.0
8	56 25 4N	P C	7	295	6				4.4	996.5	9.5	7-1
	56 27 TX			280	16	1-2	/		4.5	996.2	9.0	9.0
20	56.29.3 N	P 6	7	308	1	1-2	/	/	4.6	9966	10.0	8.2
	56-00: 4	CL	12+	320	8	1-2		/	4,7	7970	9.0	6.8
21	16: -CP.5 W	25	12+	355	8	1-2		_	4.8	997.5	10	53.0
22	161.11.3 11	CL	12+	350	7	1-2		-	4,5	998.0	5.2	6.0
23 -	161.37.3 %) 156.40.0 N	CL	12f	340	8	1-2	_		4.7	798,4	50	6.8
24 EMAI	161 55.7 W	PC	04	318	10	1		سنجر	49	998.5	6.0	5.0

NOAA FORM 77-13D (3-76)

AAON							VATIO					
						DAY		DATE		TIME ZOI	NE	
M	tuer fre	EMAN				MEDY	esda-1	16 MA7	òı	+6	/	
TIME	POSITION (Let. and Long.)	PRESENT WEATHER	LITY	WIN	D	AVE SHT	SWELL	WAVES	ATER .	EVEL URE	TEMPER	
	fi(VISIBILITY (N.M.)	DIR. (True)	SPEED (Kta.)	SEA WAVE MEIGHT (Fi.)	DIR. (True)	HEIGHT (Ft.)	SEA WATE TEMP.	SEA LEVEL PRESSURE (mb)	DRY BULB	WET BULB
01	56, 43, 4 N 162, 15, 5 W	PC	12	333	06	2			4,0	994.5	6,0	5.0
02	5647,2 N 16236.6 U	PC	12	341	05	1-2			36	999.8	5.6	4.8
03	15226 A 2020 8 N	CL	12	053	04	1-2		<i>~</i>	3.7	999.8	5,5	4.8
04	56 53 9N 163 13 7W	CL	12	clo	06	1-2	270	3-4	3.8	100.2	6.0	50
05	56 57 4 N 163 33 9 W	CL	12	012	05	1-2	280	3-9	3.6	10005	5.7	4.8
06	56 548N 163 472W	CL	10	ois	06	1-2	260	6-8	3.6	(Co.). ()	5.7	9.9
07	163 58 7W	CL	10	005	08	1-2	255	6-8	3.5	10014	5.7	4.8
08	56-53.7 W	cı	10	015	0.7	1-2	240	6-8	3.7	1002.2	5.2	4.5
09	56-51.7N 164-04.5W	CL	10	014	08	1-2	245	6-8	3.4	1002.5	5.8	4.8
10	56 - 51.3N 164 - 64.8W	c <i>L</i>	10	020	07	1-2	245	6-8	3.5	1002.5	4.5	3.8
11	56 - 51.2 N 164-04.3 W	ور	10	016	09	1-2	245	6-8	3.6	1003.4	4.8	4.1
12	56 57.4 N 164 04.0 W	4C	10	625	80	1-2	245	6	3.7	1003.4	5.5	4.5
13	56 57,1 N 164 03,743	80	16	035	06	1-2	245	6	3.6	{∞},4	72	60
14	56 52, 3 NO 164 07, 400	PC	ic	035	०५	1-2	245	6	4.0	1004.7	6.5	5,2
15	56 52.5 N	PC	10	630	10	2	245	6-8	4.1	1004.4	6.8	6.5
16	56 53.2N 164 03.0 W	PC	10	045	10	1-2	250	4-8	4.0	1005.0	6.2	5.1
17	164 079W	PC	10	865	09	1-2	250	6-8	4.0	1006.0	6.0	5,0
18	56 76 0 N 164 206 W	PL	10	064	06	1-2	250	6-8		1044.2		5,2
19	15 6 52 3 7	C	10	czg	06	2-3	ľ	6.8		1006.4		100
20	164 326 W 57.01.9 N 164.50.8 W	ے	10 F	355	16	2.3	250	3-4	3.9	1007.	4.8	5.0
21	57,06.9 N 165,00,2 W	C	10 t	350	16	2-3	270	1-2	3,0	1007.5	5.2	5.8
22	5+,12,6 N	C	10+	035	10	1-2	320	3-4	3.8	1008.0		4,8
23	57.19.6 N	5		0 46	10	1.2	240	3-4	3.6	1008.9		3.8
24	57 24,9 N 165 51.9 W	8L	io+	035	06	1-2	250	3	3.2	1009.8	5.3	3,5

SUPERSEDES NOAS FORM 77-13D (7-72). EXISTING STOCK

- L	SHIP					DAY		DATE /	チ .	TIME ZO	NE	
7	ILLER	FREE	MAI	V		THUR	SDAY			18		
IME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	WIN	D	AVE SHT	SWELL	WAVES	EA WATER TEMP.	A LEVEL RESSURE (mb)	TEMPER	ATURE
		-	VISIB (N.A)	DIR. (True)	SPEED (Kts.)	SEA WAVE HEIGHT (Ft.)	DIR. (True)	HEIGHT (Ft.)	SEA W.	SEA L PRESS (mb)	DRY BULB	WET BULB
01	57.27.1 N 166.10.1 W	PC	12	062	05	1-2	270	3	3.0	1010.0	4.7	3.7
02	166.79.8 W	PC	12	049	05	1-2	~		3.1	1010.2	4.4	3.4
03	57 32. (NO 166 438 W	PC	12	335	04	1	280	3	3,0	1010,4	3:4	3.2
04	57 33 3 W 166 56 2 W 57 36 0 N	PC	12	346	06	1-2	289	٦,	2,9	1011.0	4.0	3.8
05	167 199 W	C	12	340	8	1-2	280	4	3.0	1011.0	4.0	3,1
06	57. 38.00 N 167 36.1'W	CI	10	310	6		330	3	3.3	1011-0	3.8	3.0
07	57 349 N 167 465W	CL	10	301	9	j	325	3	3,0	10110	3.2	2,6
80	57,43,5 N	PL PL	10	357	10	1-2	310	2-3	2.8	1011.3	3,2	2,4
09	57,45 6 N 168.26.5 W	CL	10	355	14	1-2	320	2-3	28	1011.8	3,2	2.2
10	57,48,7 N 168,41,8 W	CL	10	350	15	1-2	320	2-3	26	1012.1	3.7	2.1
11	OPERATIO	NS										
12	16953.2W	PC	10	340	10	1-2	317	2-3	2.4	1013. 2	2.0	1.0
13	57 50.6 PU	در	7	350	12	2-4			2.6	1013.5	0,5	0.0
14	57 50.8 N 168 52 2 W	زد	7	355	14	2-4		-	2.6	1014.1	1.5	0.7
15	57 51.2 N	Ċ.L	7	345	14	3-4		_	2.8	1014.1	0,5	-0.2
16	57 400	CL	7	356	18	3-4			22	1014.2	2.0	1.0
17	57 35.9 N 169 06.7 W	LL	7-10	359	12	2-3	320	3	2.2	1014.5	2.3	
18	57 26 0 N 169 16 0 W	CI	9-10	358	15	7-3	315	3-4	3,1		2.8	1.8
19	57 15 4 2	CI	7-10	[<u>-</u>		3-4	315	4	-	1015.0	2,9	
20	57,04.2 N 169.36.9 W.	CL	7-10		18	3-4	3/0	2/	2.3	(015.	4.8	116
21	56.33.7 N	CI		337	18	3-4		3 11		1015.2		3.6
22	56 42.7 N	Cr	16	340	20	2.4	310	3-4	3.4	1016.0	7.0	2.3
23	169.57.5 W 56,30,8 N 170.04.0 W	CI		340		3-4	315	3-4	3.7	1016.2	3.7	del.
24	56.17/5 N	(1	/5	T .	18			J F	4.8	1016.8	4.0	2.5
	 70-0¶.\$ ₩ RKS		15	350		13-4	355	3-7	35	10173	13.8	13,2

	SHIP	·				DAY		DATE		TIME ZO	NE	
M	TILER FRE	CMAN		_ · - -		FRID	AY	5/18	101	78		
IME	POSITION (Lat. and Long.)	PRESENT WEATHER	VISIBILITY (N.M.)	Win	D	AVE SHT	SWELL	WAVES	WATER OC	A LEVEL RESSURE (mb)	TEMPER 0	ATURE C
			VISIB (W.J	DIR. (True)	SPEED (Kta.)	SEA WAVE HEIGHT (Ft.)	DIR. (True)	HEIGHT (Ft.)	SEA W	SEA L PRESS (mb	- DRY BULB	WET BULB
01	170.14.5 W	CL	104	335	10	1-3	370	3	3.8	1017.9	4.0	27
02	55.54,5 N 170,19.9 W	CL	10	355	14	1-3	340	3	43	1018.0	3.9	2.5
03	75.43.4 N 170.24.4 w	cL	10	354	10	2-4	330	4	4,3	1018.2	3,9	2.4
04	55347N	CL	10	353	12	3-4			4.7	1018-0		2.0
05	55 245N	LL	10	354	12	3-4	(4,5	io 19.0	3.0	2,0
06	55 130 N 170 42 0W	CL	10	326	12	3-4		-	3,8	101915	2.8	3,0
07	55034N	CL	10	359	80	3-4	-	_	3.6	10 20:0	7.1	1.4
08	54.52.6 N 170.56,6 W	CL	10	357	10	3-4		/	3.8	1020,0	5.4	3.2
09	54.42.5 N	CL	10	350	11	3-4	310	2-3	3,8	1020,2	5.0	3.1
10	54.31.0 N	CL	10	293	14	2-3	310	2-3	3.5/	1020.6	5.2	3.7
11	54:19:60 1	CI	10	340	13	2-3	310	2-3	3.9	1021.1	6.0	5.9
12	171 265 W	CL	10	337	08	2.3	310	3	4.0	1021.3	4.0	27 47
13	5356,7 N 17135.7 W	cl	10	010	13	2-3	310	3	3.8	1031'6	7.5	4.8
14	5347.0 N	44	10	357	11	2-3	310	3	4.1	1021,5	8,0	4.8
15	13.34.4 N 171.50.6 W	cl_	10	001	10	2-3	310	3	4.1	<u> </u>	8,9	
16	53 27 9 N	CL	10	359	09	2-3	310	4	3,9	1021.8	11 1	3.0
17	53 137 ~	CL	10	001	12	2-3		4	1	10.33.0	1	
18	177 053 V	(1)	10	348	11	2-3	310		4,2	10021	1	3.5
19	52 545-7	C 1	10	355	11	2-3		2-3	4.8	1022.1 1019.10	ا لزالا ا لزالا	2.8
20	52.41.6 N	Ci	1		11	-	310	 	11.0	1071	2.1	3.2
21	52.37.3 N		20	0.52	12	2-3	310	2-3	7.1	1021.9	6,2	4.1
22	172,34,6 W	01	10	2016	12	2-3	310	2-3	7.7	1021,9	7,9	5./
23	52-16.4N	<u> </u>	201		13	2-3	315	3-4	7.6	1082.0	7.0	4.2
24	172 -450 67 52 -18 -5 N	CL	12+	336	13	2-3	3.15	3.4	4.5	1022.1	4.0	25
	172.30.9 W	l ri	112		09				5.2	1022.1	4.0	12.9

MILLER FREEMAN SATURDAY MILLER FREEMAN SATURDAY MIND STORY MEATHER MIND MIND	11 2 3 4 5	POSITION (Lat. and Long.) 52 03.2 W 172 750 W 52.15.6 N 172.15.6 W 52.23 IV 172.07.0 W	PRESENT WEATHER	 	DIR.	SPEED	EA WAVE HEIGHT (Ft.)	SWELL	5//9 WAVES	WATER OC.	SEA LEVEL MESSURE (mb)		
IME (Let. and Long.) PRESENT (Let. and Long.) DIR. (True) DIR. (Tru	11 2 3 4	POSITION (Lat. and Long.) \$2.04.2 V 172.75 0 W 52.15,6 V 172.15,6 W 52.23.1 V 172.07.0 W	PRESENT WEATHER	 	DIR.	SPEED	EA WAVE HEIGHT (Ft.)	SWELL	WAVES	WATER OC.		TEMPER	
11 172 250 W CL 10 012 11 3-4 — 12 172 150 W CL 10 002 13 3-4 — 13 52 23 3 W CL 10 347 10 2-7 — 14 52 23 3 W CL 10 300 10 2-4 — 15 52 23 3 W CL 10 340 10 2-4 — 16 52 24 5 W L 10 340 10 2-4 — 17 52 25 2 W CL 10 340 18 5-6 — 18 52 24 5 W CL 10 302 17 4-5 — 18 52 23 4 W CL 10 302 17 4-5 — 18 52 24 1 W CL 10 305 19 4-5 — 18 52 24 1 W CL 10 357 17 W CL 10 357 17 W PC 10 301 18 4-5 — 15 52 24 1 W CL 10 357 17 W PC 10 301 18 4-5 — 16 52 22 5 W PC 10 357 17 W-7 — 16 52 23 5 W PC 10 357 17 W-7 — 16 52 23 5 W PC 10 357 17 W-7 — 17 169 45 24 1 W PC 10 357 17 W-7 — 18 52 23 5 W PC 10 357 17 W-7 — 18 52 23 5 W PC 10 357 17 W-7 — 18 52 23 5 W PC 10 357 17 W-7 — 19 169 39 39 W PC 10 357 17 3-4 —	1 2 3 4	(Lat. and Long.) 52 04.2 W 172 750 W 52.15,6 W 172.16,6 W 52 23.1 W 172 07.0 W	CC	 	DIR.	SPEED	SEA WAVE HEIGHT (Ft.)	DIR.		WATER	LEVEL SSSURE mb)		
11 172 750 W CL 10 012 11 3-4 — 12 172 150 W CL 10 002 13 3-4 — 13 172 07.0 W CL 10 347 10 2-7 — 14 152 23 3 W CL 10 300 10 2-4 — 15 57, 242 W L 10 340 10 2-4 — 16 57 245 W L 10 340 10 2-4 — 17 52 25.2 W CL 10 340 18 5-6 — 18 131.28.5 W CL 10 340 18 4-5 — 18 131.28.5 W CL 10 302 17 4-5 — 10 172 182 18 W CL 10 303 19 4-5 — 11 172 183 1 W CL 10 358 19 4-5 — 11 172 183 1 W CL 10 358 19 4-5 — 11 172 183 1 W CL 10 301 18 4-5 — 11 172 183 1 W CL 10 358 19 4-5 — 11 172 183 1 W CL 10 358 19 4-5 — 11 172 183 1 W CL 10 358 19 4-5 — 11 172 184 1 W CL 10 358 19 4-5 — 11 172 184 1 W PC 10 001 18 4-5 — 11 184 184 1 W PC 10 359 16 5-6 — 18 169 184 187 W PC 10 357 17 6-7 — 18 169 184 187 W PC 10 357 17 5-6 — 18 169 184 187 W PC 10 357 17 5-6 — 18 169 187 187 18 W PC 10 357 17 3-4 —	3 4	52 04.2 W 172 750 W 52.15.6 W 172.16.6 W 52 23 1 W 172 07.0 W	CC	 	(True)		SEA W. HEIG (Ft.		HEIGHT	W W	LE SS(danb)		
11 172 250 W CL 10 012 W 5-4 — 12 172 15.6 N CL 10 002 13 3-4 — 13 172 07.0 W CL 10 347 10 2-4 — 14 52 23 3 W CL 10 000 10 2-4 — 15 57 24.2 N L 10 340 10 2-4 — 16 57 24.5 W L 10 340 10 2-4 — 17 52 25.2 N CL 10 340 18 5-6 — 18 12 12 12 1 W CL 10 002 17 4-5 — 10 52 25.2 N CL 10 002 17 4-5 — 10 52 25.2 W CL 10 15 18 4-5 — 10 17 132 8 W CL 10 000 15 4-5 — 10 17 10 17 10 18 19 CL 10 000 15 4-5 — 11 17 10 17 10 1 W CL 10 358 19 4-5 — 12 15 22 1 N PC 10 001 18 4-5 — 13 15 10 07.5 W PC 10 001 18 4-5 — 14 15 12 17 N PC 10 001 18 4-5 — 15 16 1-94 90 PC 10 357 17 W-7 — 16 15 22 5 1 N PC 10 357 17 W-7 — 17 16 17 16 15 1 W PC 10 357 17 W-7 — 18 169 34 1 N PC 10 357 17 W-7 — 18 169 34 1 N PC 10 357 17 W-7 — 19 169 34 1 N PC 10 357 17 W-7 — 10 17 169 45 20 CL 10 357 17 3-4 — 10 19 169 34 1 N PC 10 000 14 5-6 — 10 19 169 34 1 N PC 10 000 14 5-6 — 10 19 169 34 1 N PC 10 000 14 5-6 — 10 19 169 34 1 N PC 10 000 14 5-6 —	3 4	172 250 W 52:15,6 N 172:15.6 W 52:23:1N 172:07.0W		10	- 1-			(True)	(Ft.)	SEA	SEA PRE	DRY BULB	WET BUL9
172.15.6 w CL 10 002 13 3-4 - 13 172.07.0 w CL 10 347 10 2-4 - 14 172.65 2 w CL 10 000 10 2-4 - 15 57.24.2 W L 10 340 10 2-4 - 16 52 245 w CL 10 345 16 2-4 - 17 52.25.2 W CL 10 340 18 5-6 - 18 52.24.3 W CL 10 340 18 4-5 - 18 52.24.3 W CL 10 360 18 4-5 - 18 52.24.3 W CL 10 358 19 4-5 - 18 52.24.3 W CL 10 358 19 4-5 - 18 52.24.3 W CL 10 358 19 4-5 - 18 52.24.3 W CL 10 358 19 4-5 - 18 52.24.3 W CL 10 358 19 4-5 - 18 52.24.3 W CL 10 358 19 4-5 - 18 52.24.3 W CL 10 358 19 4-5 - 18 52.24.3 W CL 10 358 19 4-5 - 18 52.24.3 W PC 10 001 18 4-5 - 18 52.25.0 W PC 10 359 16 5-6 - 18 52.25.0 W PC 10 359 16 5-6 - 18 52.25.0 W PC 10 357 17 3-4 -	3 4 5	172,15.6 W 52 23 IN 172 07.0W	CL		016	U	3-4			ج. ح	1022	4.5	2.5
3 172 07.0 W CL 10 347 10 2-9 - 4 172 65 2 W CL 10 000 10 2-4 - 5 57, 24, 2 W L 10 340 10 2-4 - 6 52 24, 5 W CL 10 340 18 5-6 - 7 52, 25, 28 W CL 10 340 18 5-6 - 8 52, 25, 25 W CL 10 320 18 4-5 - 9 52, 25, 25 W CL 10 060 15 4-5 - 1 132, 3 W CL 10 358 19 4-5 - 1 132, 4 W CL 10 358 19 4-5 - 2 152, 21, 1 W CL 10 358 19 4-5 - 3 152, 21, 1 W PC 10 001 18 4-5 - 5 169 45, 1 W PC 10 359 16 5-6 - 8 169 24, 1 W PC 10 357 17 6-7 - 9 520, 23, 6 W PC 10 357 17 3-4 - 9 520, 23, 6 W PC 10 357 17 3-4 - 9 520, 23, 6 W PC 10 357 17 3-4 - 9 520, 23, 6 W PC 10 357 17 3-4 - 9 520, 23, 6 W PC 10 357 17 3-4 - 9 520, 23, 6 W PC 10 357 17 3-4 -	4 5	172 07.0W		10	002	13	3-4			4.5	1021.8	4.2	2.6
5 57.24.2 N L 10 340 10 2-4 - 6 52.24.5 N CL 10 340 10 2-4 - 7 52.25.2 N CL 10 340 18 5-6 - 8 52.25.3 N CL 10 320 18 4-5 - 9 52.25.3 N CL 10 602 17 4-5 - 0 52.23.4 N CL 10 602 17 4-5 - 1 52.24.3 N CL 10 358 19 4-5 - 1 52.24.1 N CL 10 358 19 4-5 - 2 52.24.1 N CL 10 358 19 4-5 - 3 52.24.1 N CL 10 358 19 4-5 - 4 52.24.1 N PC 10 001 18 4-5 - 5 52.24.1 N PC 10 001 18 4-5 - 6 52.25.7 N PC 10 359 16 5-6 - 8 519-44.9 N PC 10 357 17 6-7 - 8 519-24.9 N PC 10 357 17 6-7 - 8 519-24.8 N PC 10 357 17 6-7 - 9 520-25.8 N PC 10 357 17 6-7 - 9 520-25.8 N PC 10 357 17 3-4 - 9 520-25.8 N PC 10 357 17 3-4 - 9 520-25.8 N PC 10 357 17 3-4 -	5		CL	10	347	10	2-4	_			1021.9	4.5	7.8
6 52 24 5 W CL 10 340 18 5-6 - 7 52 25.2 W CL 10 340 18 5-6 - 8 52 25.3 W CL 10 340 18 5-6 - 8 52 25.3 W CL 10 320 18 4-5 - 9 52 25.3 W CL 10 602 17 4-5 - 0 52 23.4 W CL 10 602 17 4-5 - 1 52 23.4 W CL 10 060 15 4-5 - 1 52 24.1 W CL 10 358 19 4-5 - 2 170.26 W W CL 16 321 23 4-5 - 3 52 24.3 W PC 16 321 23 4-5 - 4 169 51.1 W PC 10 001 18 4-5 - 5 169 45.1 W PC 10 359 16 5-6 - 8 52 23.5 W PC 10 359 16 5-6 - 8 52 23.5 W PC 10 357 17 3-4 - 9 52 23.6 W PC 10 357 17 3-4 -		172 65 261	CL	10	000	10	2-4	1		46	1021.2	4.1	26
6 52 24 5 W CL 10 345 16 2-4 - 7 52 25.2 W CL 10 340 18 5-6 - 8 52 25.2 W CL 10t 320 18 4-5 - 9 52 25.3 W CL 10 802 17 4-5 - 0 52 23.4 W CL 10 802 17 4-5 - 0 52 23.4 W CL 10 060 15 4-5 - 1 52 23.1 W CL 10 358 19 4-5 - 2 170 26.4 W CL 16 358 19 4-5 - 3 52 24.3 W PC 16 321 23 4-5 - 4 169 51.1 W PC 10 001 18 4-5 - 5 169 45.1 W PC 10 359 16 5-6 - 8 52 23.5 W PC 10 357 17 6-7 8 52 23.5 W PC 10 357 17 6-7 9 52 23.6 W PC 10 357 17 3-4 - 9 52 23.6 W PC 10 357 17 3-4 -	6	57,24.2.W	L	10	340	10	2-4			4.7	1021.3	4.0	3,0
7 5225.2N CL 10 340 18 5-6 8 52.25.8N CL 10t 320 18 4-5 9 52.25.8N CL 10 002 17 4-5 0 52.23.4N CL 10 002 17 4-5 1 52.23.4N CL 10 000 15 4-5 1 52.23.1N CL 10 060 15 4-5 2 52.21.1N CL 16 358 19 4-5 2 170.70.5 W PC 10 321 23 4-5 4 169.51.1 W PC 10 001 18 4-5 5 169.49.1N PC 10 001 18 4-5 5 169.49.1N PC 10 350 17 6-7 16 522.5N PC 10 350 17 6-7 16 520.5N PC 10 359 16 5-6 18 169.31.7W PC 10 000 14 5-6 - 9 520.5S.N PC 10 357 17 3-4 - 9 520.5S.N PC 10 357 17 3-4	_	52 2450	L	10	345	16	2-4	~	~	4.8	102019	4,0	3.5
8 52:25:8 W CL 10 320 18 4-5 - 9 52:24:7 W CL 10 002 17 4-5 - 0 52:23:4 W CL 10 002 17 4-5 - 1 52:23:4 W CL 10 060 15 4-5 - 1 52:24:3 W CL 10 060 15 4-5 - 2 152:24:3 W CL 10 358 19 4:5 - 3 52:24:3 W PC 10 321 23 4-5 - 4 169:51:1 W PC 10 001 18 4-5 - 5 169-44:9 W PC 10 001 18 4-5 - 5 169-44:9 W PC 10 359 16 5-6 - 8 52:23:6 W PC 10 357 17 6-7 - 8 169:34:7 W PC 10 000 14 5-6 - 9 52:5:5:8 W PC 10 357 17 3-4 -	7	52,25,2 N 17145,3 W	CL	10			5-6			4,8	1020.3	4,2	3-0
9 171 27 8 W CL 10 002 17 4-5 - 0 171 06 1 W CL 10 115 18 4-5 - 1 170 16 9 W CL 10 060 15 4-5 - 1 170 16 9 W CL 10 358 19 4-5 - 2 170 26 4 W CL 16 358 19 4-5 - 3 170 07 5 W PC 16 321 23 4-5 - 4 169 56 1 W PC 10 001 18 4-5 - 5 169 -44 9 W PC 10 001 18 4-5 - 6 169 45 2 W PC 10 359 16 5-6 - 8 169 11 7 W PC 10 000 14 5-6 - 9 169 39 8 W PC 10 357 17 3-4 -	8	52.25.8 N 171.28.5 W	CL	10+	320	18	4-5	_	/	5.1	1019.9	3.0	2.1
0 52,23.4 N CL 10 115 18 4-5 — 1 52,23.9 N CL 10 060 15 4-5 — 2 52,24.1 N CL 10 358 19 4:-5 — 3 52,24.3 N PC 10 321 23 4-5 — 4 169,51.1 N PC 10 001 18 4-5 — 5 169-49.9 N PC 10 001 18 4-5 — 6 169,45.1 N PC 10 256 17 6-7 — 6 169,45.1 N PC 10 359 16 5-6 — 8 169,34.7 N PC 10 357 17 6-7 — 8 169,34.7 N PC 10 357 17 6-7 — 9 169,34.7 N PC 10 357 17 3-4 —	9	171.32.8 W			1	, ,	· · ·		~	5.1	1020,0	40	2.4
1 52.23.9 W CL 10 060 15 4-5 - 2 52.24.1 W CL 16 358 19 4-5 - 3 52.24.3 W PC 10 321 23 4-5 - 4 169.51.1 W PC 10 001 18 4-5 - 5 169.49.9 PC 10 coc 13 3-4 - 6 162.62.5 W PC 10 359 16 5-6 - 7 169.45.1 W PC 10 359 16 5-6 - 8 52.23.6 W PC 10 357 17 3-4 - 9 52.03.8 W PC 10 357 17 3-4 - 9 52.03.8 W PC 10 357 17 3-4 -	0	Pariona.	C.A	10		18				5.2	1019.9	3.2	1.5
2 82,24,1 W CL 10 358 19 4:-5 - 3 52,24,3 W PC 10 321 23 4-5 - 4 152,121,7 W PC 10 001 18 4-5 - 5 169-14,9 PC 10 000 13 3-4 - 6 169-14,9 PC 10 350 17 16-7 - 7 169 45,1 W PC 10 359 16 5-6 - 8 169-34,7 W PC 10 000 14 5-6 - 9 169-39,8 W PC 10 357 17 3-4 -	1	52.23.9 N						37	/	5.3	1019.8	3 /9	1.5
3 52,24,3 N PC 10 321 23 4-5 — 4 52,24,3 N PC 10 001 18 4-5 — 5 169-49.9 PC 10 001 13 3-4 — 6 52,25 N PC 10 256 17 6-7 — 7 52,24,7 N PC 10 359 16 5-6 — 8 169-41.7 CL 10 359 16 5-6 — 8 169-34,7 W PC 10 000 14 5-6 — 9 520 15.5 N PC 10 357 17 3-4 —	2	82,24.1 N		T					~~	5,1	1019.2	2.9	1/2
4 169.51.1 W PC 10 001 18 4-5 - 5 169-49.9 PC 10 001 18 4-5 - 6 169.45.1 W PC 10 256 17 6-7 7 169 45.2 CL 10 359 16 5-6 - 8 169.34.7 W PC 10 000 14 5-6 - 9 169.39.8 W PC 10 357 17 3-4 -	3	52,24,3 N	· · · · · · · · · · · · · · · · · · ·	1		 			_	5,0	1019.2	3.2	1.8
5 169 - 44.9 1 PC 10 000 13 3-4 - 6 169 45.1 W PC 10 359 16 5-6 - 8 169 34.7 W PC 10 000 14 5-6 - 9 169 398 W PC 10 357 17 3-4 -	4	52,24,7 N		10				_	-	5.1	1018.8		1.3
6 169 45.5 W PC 10 350 17 6-7 7 169 45.5 W PC 10 359 16 5-6 - 8 520 23.6 W PC 10 000 14 5-6 - 9 520 358 W PC 10 357 17 3-4 -	5	52-23.7~	PC					,			10188	5.0	3.j
7 169 452 CL 10 359 16 5-6 - 8 169 34,7 W PC 10 000 14 5-6 - 9 169 39 8 W PC 10 357 17 3-4 -	6	52 22.5N		 		 				5.5	1018.3	5.0	3.0
8 52° 23.6° N PC 10 000 14 5.6 — 9 52° 34,7° W PC 10 357 17 3-4 —	7	52 241N					<u> </u>	-		5.4	10191	5.0	3,2
9 52° 39 8 W PC 10 357 17 3-4 -	8	5,2 23.6 N		 		+					1018.0	2 2	7.
	9			T		17					1018.0	_	2.2
0 1776 5 7 9 7 1 7 7 1 1 1 1 2 5 0 1 1 0 1 5 1 1 1 1 1 1	0	52.04.6 N	CL	10	358	18	 		اسر	5,6			- 4
51.54.5 41	1	51.54.5 N			T					77.	101810		2-4
51.42,5 N				 	1		1 -	9,00	4-5	5.1	1018.0		3.2
51.3811		51.3811 10.					-		4-5	1.0	10/7.9	4.0	200
5:38.9 N		51.38.9 N	<u> </u>	1.		1			 	4,7	1017.9		2.8
MARKS 1635 SNOW FLURRY		RKS	<u> </u>		<u>1554</u>	114	14-6	1000	₹6	4,8	1018.)	4.0	12.3

IOAA .						104:		N SHEE				
AA						DAY		DATE		TIME ZO		
YIIC	LER FREEM.	4N				SUND	47	5/20	0/01	1-8	3'	
ME	POSITION (Lat. and Long.)	PRESENT WEATHER	γ ΤΙΤ Υ	WIN	D	AVE HT	SWELL	WAVES	WATER OC	VEL	TEMPER 0	ATURE
		120.1150	VISIBILITY (N.M.)	DIR. (True)	SPEED (Kta.)	SEA WAVE HEIGHT (Ft.)	DIR. (True)	HEIGHT (Ft.)	SEA WA TEME	SEA LEVEL PRESSURE (mb)	DRY BULB	WET BULB
11	51 37.5 p	CL	7	355	17	45			04.7		4.0	2.5
2	51 34.5 N 169 20,1 w	CL	7	350	19	4-6			4.8	1019.1	4.0	2.2
3	51 79.62 169 20.74	CL	7	350	19	4-6			4.7	[99.]	4.0	2.2
4	5141.8N 16921.7W	PC	7	340	20	6-7	<u>,</u>		4.8	1019.1	3.4	1.8
5	5143.8N	CL	7	000	18	6-7			4.9	1019.8	3.3	2.0
6	51 44.2 N 169 22.8 W	<u></u>	7	33 <i>5</i>	20	4-6	/		4.9	1019.3	3.2	1.3
7	169 296W	<u> </u>	7	328	18	4-6		/	5,0	1019.6	3,7	1.8
8	51 -55.1 W	c L/sw	10	350	10	3-5			4,9	1020.0	3.6	1.7
9	51-56.9N 169-29.7W	CL	10	355	15	3-5-		_	4.9	1020,0	3.5	1. 6
0	51-58.7N 169-30.8W	CL	10	352	12	3-5		-	5.0	102012	3.7	1.8
1	51-59.72	دد	10	295	06	1-2	CUNFUSED	3-5-	5.1	1020.3	3.5	2.1
2	51 59,0 1	LL	10	300	08	2-3	350	4	5.1	10295	4.0	2.2
3	51 58.8N	CL	10	320	10	2-3	350	4	5.0	1070.8	3.8	1.5
4	52.01.3 N 109.32.8 W	1)	10	325	12	2-4	~_	_	5,1	10207	3,9	1.9
5	52.11,1 N 169.37.3 W	CL	10	314	04	2~3			5.5	1020.7	3,9	2.0
6	169 35 7 4	CL	10	330	10	3.3		_	56	logil	4.0	2,0
7	52104N 169365W	CL	10	335	18	3-4			\$.5	10208	0.4	2,4
8	57.09.31N	CL	10	310	18	4-6			5.6	1020.3		19
9	52 11.05 169 37.3 52-1130	CL	10	325	14	4-6	330	5-7	5.4	1020.1		3.0
0	169 - 38.0	ů.	12+	300	13	4-6			5.4	1020.1		2.3
1	52 - 14N 109 - 392 U	Ċ L	12+	312	15	4-6	+	-	5.4	1019.5		
2	52 - 160N 169 - 401W	CL	12+	320	15	4-6	_	_	5.4	1019.4		2.5
3	52-16-0 N 169-40.0 W	CL	12+	300	14	4-6		_	5.4	1019.3		3.0
4	52.21.8 N 169.43 7 W	CL		271	12	4-6			5.7	1018.1	3,5	2,9

Mπ					•	DAY		DATE		TIME ZO	NE	
	LLER FREEN	NAN				MONT	94	5/2	1/01	+	<u> </u>	· · · · · · · · · · · · · · · · · · ·
	T	, <u> </u>	F							····		
TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	LITY f.)	WIN	D	VAVE SHT	SWELL	WAVES	WATER EMP.	EVEL TURE	TEMPER 0	ATURE
			VISIBILITY (N.M.)	DIR. (True)	SPEED (Kts.)	SEA WAVE HEIGHT (Ft.)	DIR. (True)	HEIGHT (F1.)	SEA W.	SEA LEVEL PRESSURE (mb)	DRY BULB	WET BULB
01	52 29.9 B	44	(Ot	260	12	2-4	-		5,3	ાવક, વ	3.8	3.1
02	169.30.8 W	CL	ior	264	08	2-4	}		4.7	1018.3	3,6	3.0
03	52.53H N 168.20% W	CL	10+	233	08	2-4		-	5.0	1017.9		2.6
04	53 01 8 N 169 13 7 W	CL	10	223	10	2.3	-		4.9	1017.1	23.2	3.0
05	53 151 N 169 02 3 W	11	10	242	10	3-4	~~	-	4,6	1016.1	4.0	38
06	53 120N 168 479W	1	10	238	14	3-4	-	_	4.6	1015.4	9.8	4.0
07	53 22 6N	Ī_	10	242	13	3-4	-	_	4.8	1015,4	3.8	3.1
08	53-26.3 1	L	8				٠		4.8			
09	168-46.0 W			250	08	2-3				1014.6	4.0	3.2
10	(3 31,2N	L	8	255	10	2.3	٠		7.1	1014.2	3.8	3.2
	168.53.4 W		8	270	10	2-3		-	4.1	1014.0	3, 5	2.8
11	169-03.0W		8	280	10	2-3		-	4.1	1013.8	3.6	3.0
12	169,02,6 W	L	8	280	10	2-3	-		4,1	1013.5	5.0	4.0
13	169.12.9 W	<u> </u>	8	270	10	2-3	310	G	4.0	1013.0	3,1	2,7
14	57 46.4 N 169 16.2 W	LL	8	290	06	2-3	Joo	5	4,2	13,2	3.7	3.0
15	53.50.4 N 169.20.0 w	PC	10	238	04	1-2	300	5	44	1013,0	4.5	3.8
16	53574~ 164285W	EL	7	235	05	1	315	5.6	5.2	192.9	3.8	3.0
17	54 02.4 N 169 34,4 w	CL	8	CAL	,		300	4-5	5.4	1012.5	7.0	5,8
18	54 02 8 N	CL	8	335	-	1	300	4.5		1012.2	44	3 0
19	54 64 1 W	C1	8	336	04	1	315	4.5	310		48	3.1
20	54.06.1 W	CI	8			/_ 2	310	4.5	5.4	1012.2	4/2	
2Í	161.0213 W	01	10	025	05	1/-2		3,-4	2.7	1011.9	7.4	2,9
22	168.29.4 W	01	16	027	04	1-2	370	45	5,9	1011.9	4.2	3.0
23	54.03.4 N	<u>CL</u>	14	352	BO 6	<u> </u>	<i>बेठे</i> ड	2-3	5,2	10/1.9	4.3	3.0
	167,50,7 W	CL/R	10	0 329	006	1-2		3	5,3	1012.0	4,2	3.4
24	167.30.9 W	CL	10	016	06	,5	280	13	54	10119	4.5	3.1

-76)	FORM 77-13d					NA'	TIONAL C	CEANIC .	U.S. DI	EPARTME OSPHERIC	ADMINIS	MMERCE TRATION
		DEC	K LO	G – WE	ATHER	OBSER	OITAV	N SHEE	T			
AAOP	SHIP					DAY		DATE		TIME ZO	NE	
M	ILLER	FREE	MA	\sim	·			5/2	2/01	+	5	
			_						•			
TIME	POSITION (Lat. and Long.)	PRESENT WEATHER	LITY	AI.M	ID .	AVE SHT	SWELL	WAVES	WATER EMP.	EVEL	TEMPER	RATURE
_			VISIBILITY (N.M.)	DIR. (True)	SPEED (Kts.)	SEA WAVE HEIGHT (Ft.)	DIR. (True)	HEIGHT (Ft.)	SEA W	SEA LEVEL PRESSURE (mb)	DRY BULB	WET BULB
01	54.052 N 167.12.6 W	(L	8	CAL	n	おたり	270	6	5.3	1012.5	5.0	3-5
02	5405.0 V 166,54.7 W 54.05.1 N	CL	10	033	05	41	275	5	5.5	1012,2	4.0	3.1
03	54 05 0 N	CL	10	023	07	< 1			5,4	1012.2	3.9	2.9
04	166 208 W	CL	10	036	13	5-3	~	-	4.9	1012.0	3,1	2.8
05	1660282	CL	10	076	08	1		_	4.8	1011.9	3,9	2.7
06	16602827 53 56 57 165 54 9	CL	10	030	12				5.5	1011.8	3.4	2.2
07	166 00 8 W	CL	10	040	14	2-3			4.8	1011.9	3,0	2.0
80			ļ									
09											-	
10						ļ						
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23			-	-				-		-	 	
24 REMA	BKS			<u> </u>			<u> </u>					

NOAA FORM 77-13D (3-76)

SUPERSEDES NOAA FORM 77-13D (7-72). EXISTING STOCK