WEATHER OBSERVATIONS

Cast No.	Date	Time	Tempera	Temperature (°C)	Bar. Press.	Seas	Vis	A	Winds	語と語言	Clouds	Weather
		(GMT)	Dry	Wet	(mp)	(CODE)	(CODE)	Dirn (true)	Speed (kts)	:		CODE
100	512199	1631	1.4	0'/	1013.2	5	7	290	Ā	7	C ·	100
005/	**	2015	1.4	1.0	t. 500/	3	7	310	22	de	3	*
1000		2240	0.1-	-2.0	1000.	3	4	300	20		> ~	1
4.1	- 11	0130	2)-	4.1.	1016.9	1	ų	2000	(8.9	0	7,7	,)
5-1	1.1	2260	7.1-	2-1-8	4.9101	5	1	310	22	000	+	A
6-15	5/3/99	1816	-2.6	1.4.1	1021.8	7	t	7,47	20	000	4 F SEE	7
3-1		2/57	1.0	1.1-	1021.9	7	4	320	200	de	7	0
1-8	24/89	6205	-2,6	4,2-	(022,0	7	4	320	30	×	h	'n
1-16	5/4/39	220	-3,0	3.0	1023,8	5	t	528	7	000	77.	0
1-01	35	1400	12.	1.7-	9,200)	1	4	388	30	d	101	à
1-1	11	1950	12	43.2	6'5201	4	+	239	080	900	P	
1-2/	6/5/68	0000	-2.1	67	1025,5	2	4	27.4	14	S R	Ź	
1-63	D.	0146	-2,0	- 2,3	1025,1	3	t	310	151	10	10	
14-1	11	0427	0'1-	51-	1024.2	3	7	300	7.7	40	N	F
17/2	11	0626	2.0-	8.0-	102 4.1	3	4	282	12	W	3	3.12
60	-11	50	06-	- 61	16011	7	4	226		0	のは、日本のは、日本のは、日本のは、日本のは、日本のは、日本のは、日本のは、日本	900

** IF SKY IS NOT VISIBLE, CLOUD AMOUNT = 9; OTHERWISE CLOUD ABOUNT SHOULD BE RECORDED IN EIGHTHS (EXAMPLE: CLOUD AMOUNT = 3/8; RECORD 3)

3000	0	100	2	. 3	4	5	9	7	8	6
WEATHER	GEAR	PARTLY GLOUDY	CONTINUOUS CLOUDS:	BLOWINGSNOW	FOG.THICK DUST, RAZE	DĄIZZIE,	RAIN	SNOW OF HAINSNOW MIX	SHÖWERS	THUNDERSTORMS
CLOUD TYPE	OFFILE	CIPROCUMULUS	CIRROSTRATUS	ALTOCUMULUS.	ALTOSTRATUS	NIMBOSTRATUS	STEATOCUMULUS	STEATUS	CUMULUS	CUMULONIMBUS
VISIBILITY (NM)	< 00.02	00:02 ~ 00:10	- 00.10 - 00.25	00.25 + 00.50	00.50 + 01.00	01.00 - 02.00	02.00 - 05,00	.05.00 - 10.00	10.00 - 25.00	> 25.00.
SEASTATE (FT)	0.0 feet - Glassy	5.6 - 0.3 feetPippled	9.3 - 1.5 feet - Wavelet	1.6 - 4.1 feet Slight	4.1 - 8.2 feet - Modetate	8.2 - 13.1 feet - Rough	13.1 - 19.7 feet - Very Pough	19.7 - 29.5 feet - High	29.5 - 45.9 feet - Very High	> 45.9 feet - Phenomenal
, 3000	0	Ţ	2	6	4	9	9	1	80	6

WEATHER OBSERVATIONS

Cast No.	Date	Time	Tempera	Temperature (°C)	Bar. Press.	Seas	Vis	M	Winds	171,3197	Clouds	Waathe
1-61	5/2/3	114	1	40-	1024.9	3	(2000) L	2/3	Speed (kts)	Amt :	Type (CODE)	CODE
1-00	5/6/36	0140	L	0'1-	1023.9	ħ	<u> </u>	2000	1 01	0	20	y
1-12	า	4280	7.0-	11.0	1.623.9	7	, ,	217		s (v.	170	100
22-1	=	0514	20.2	-1.0	1023.9	7	rt-	20	71	7 7	1 ×	0.50
23-1	Ξ	6716	てはゆ	0	1024,0	7	+	217	000	_	o	0/
24-1	11	09.29	6.0	-0.2	P. Peoi	7	+	327	075	r	٠,٧	
25-1	3	1200	1,1	0.0	(524.5	4	1	2)4	70	0	9	
20-1-37-1	11	1926	8.1	0.2	1023.3	5	4	218	12	2	×	S-10
78-1	1.6	2331	1.1	10.5	1023.4	4	+	300	^	1	1	1
1-16	2/2/49	2510	6,5	ムニィ	(023.0	4	4	300	3	9 4	8 9	1 4 7
)-06	21	0252	0.1	5.1.	1. 4401	+	4	382	(5)	1-17-	N S	1
31-1	1	6439	0.0	-1,9	1021.8	1,	7	303	14	ox	8 9	2
32-1	#	0554	2'0-	8.1-	1021.5	Н	ト	296	2	7	8	
334	1		2.07	-2.1	1021,5	מ	7	22	1/2	1	3	+
34-1	11	0460	-0.8	-0.9	1021.5	3	t	290	12	oc	V	G
35-1	r.	1039	-0.3	10-	1021 1	3	4	2000		9		TOTAL STREET

" IF SKY IS NOT VISIBLE, CLOUD AMOUNT = 9; OTHERWISE CLOUD ABOUNT SHOULD BE RECORDED IN EIGHTHS (EXAMPLE: CLOUD AMOUNT = 3/8; RECORD 3)

A STATE (FT) WISIBILITY (NM) CLOUD TYPE WEA 10 feet - Glassy < 00.02 - 00.02 CIPRUS 11 feet - Wavelet	ATHER CODE	0	YOU.	SCLOUDS	NOW.	SUST #AZE 4	(2	AIN/SNOW MIX	σ.	o o o
A STATE (FT) WISIBILITY (NM) CLOUD TYPE Offert - Glassy C00.02 - 00.02 GRECOMULIS Feet - Mavelet Offert - 00.02 CIPROSTRATUS Feet - Moderate Offert - 00.05 Feet - Moderate Offert - 00.05 Feet - Weng Rough Offert - 00.05 Feet - Very Rough Offert - Very High Offert - Ver	WE	CLEAR	PARTLY CLC	CONTINUOU	BLOWINGS	FOG THICK	DRIZZIE	RAIN	SNOWORE	SHOWERS	TATION IN
A STATE (FT) O feet - Glassy 3 feet - Rippled 6 feet - Wavelet 1 feet - Moverate 2 feet - Moverate 1 feet - Leet - Very Rough 1 feet - Very Rough 1 feet - Very High 1 feet - Very High 1 feet - Phenomenal	CLOUD TYPE	CIPALS	UMULUS	CIPPOSTRATUS	M	ALTOSTRATUS	NIMBOSTRATUS	STRATOCUMULUS	STEATUS	CUMULUS	CUMULONIMBLIS
0 feet. 5 feet. 7 feet. 7 feet. 7 feet. 7 feet.	VISIBILITY (NM)	< 00.02	00.02 - 00.10	. 00.10 - 00.25	00.25 - 00.50	00,50 ~ 01,00	01.00 - 02.00	199	05:00 - 10:00	33	> 25.00
	A STATE (FT)	0.0 feet - Glassy	3 feet - Rippled	.6 feet - Wavelet	1 feet - Slight	2 feet - Moderate	1 feet - Rough	9.7 feet - Very Rough	- 29.5 feet - High		.9 feet - Phenomenal

E TO CONTRACTOR OF THE PARTY OF	Cast No	Date	Time	Temper	Temperature (°C)	Bar. Press.	Seas	Vis	×	Winds		Clouds	Weather
1 1843 2.8 1.8 1.8 1.8 2.0 2 7 2.45 10.5 8 3.5 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8			(GMT)	Dry	Wet	(mp)	(CODE)	(CODE)	Dirn (true)	Speed (kts)	Amt :	Type (CODE)	CODE
1 4 1519	26-1	5/7/99	1317	<u>ا</u> . ه	8,	1020.4	4	4	305	11	00	1	1,
1849 28 0 1019.1 2 7 070 4 3 7 1 1 1 1 1 1 1 1 1	32-1	и	1519	20,0	5.0.	10201	3	4	295	5.01	×	'n	7.
5 H 1295 9,8 0.5 [018.1] 3 7 223 4,4 7 3/7. 6 5/8/99 0637 1,9 0.1 1016.0 2 7 126 8 6 3.6 11 1034 0.0 -0.3 1014.5 2 7 112 07 8 11 1103 0.0 -0.3 1014.5 2 7 113 10 8 11 1427 -0.5 1014.0 2 7 100 8 11 1427 -0.5 1013.5 2 7 100 13 8 13 8 100 13 100 13 100 13 100 13 100 13 100 13 100 13 100 13 100 13 100 13 100 13 100 13 100 13 100 13 100 13 100 100	58-3	7.	1843	2.8	0	1.6101	2	t	070	h	1	7	2
6 5/8/99 0637 1,9 0.1 1016.0 2 7 1126 8 6 3.6 11 103 0.0 10/5.1 2 7 112 07 8 - 11 1103 0.0 -0.3 1014.0 2 7 113 10 8 - 11 14/1 1.0 -6.5 1014.0 2 7 10 8 - 11 14/2 0.0 -0.3 1014.0 2 7 10 8 - 11 11 1105 0.0 -0.9 1013.5 2 7 109 13 8 7 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13 1 109 13	40-3	14	2335	3.8	0.5	1.8101	4	+	223	7,7	14	3/7	7
11 1103 0.0 1015.1 3 7 1112 07 8 11 1103 0.0 -0.3 1014.5 2 7 113 10 8 11 1103 0.0 -0.3 1014.0 2 7 7 113 10 8 11 1472 -0.5 71.0 1013.5 2 7 100 15.7 8 11 1902 -0.4 -0.8 1013.0 IN UE 7 112 13 1 0 11 1 1903 -0.4 -0.8 1011.5 IN UE 7 112 13 1 0 11 1838 0.8 0 1002.5 4 6 013 29 8	40-6	5/8/99	1290	61	0.1	0.9101	2	+	126	~	9	2.6.55	1000
1 1103 0.0 -0.3 1014.5 2 7 113 10 8 1 W 1241 1.0 -6.5 1014.0 2 7 7 16 15 8 1 W 1242 -0.5 -1.0 1013.5 2 7 100 15.7 6 5.4 1 W 1422 -0.4 -0.8 1013.0 IN UE 7 112 13 8 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-1		6937	0.3	0'0	1015.1	6	14	112	40	ď	4	+
1422 -0.5 1019.8 3 7 100 15.7 8	42	Ξ	1108	0.0	-0.3	1014.5	В	+	113	0/	00		t
11 1422 -0.5 -1.0 1013.5 2 7 100 15.7 6 5.7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	43-1	7	1741	0'7	5'9-	1014.0	y	4	16	151	X		4
11 1605 0 -0.9 1013.5 2 7 109 13 8 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-1	17	2241	200-	0.17	1013.8	3	4	00)	4.7	B	Ç	7
11 1902 -0.4 -0.8 1013.0 IN ICE 7 112 13 1 7 6 5 5 5 19199 1838 0.8 0 1002.5 4 6 013 24 8	45/1	H	1605	0	6.0-	1013.5	7	4	501	13	000	44	2 6
519199 1838 0.8 0 1002.5 4 6 013 24 8 2	4-95	11	1902	P.0-	00.0	1013.0	IN ICE	t	112	13	-	C	10
519199 1838 0.8 0 1002.5 4 6 013 24 8	1-14	ď	7347	10.5	-1.5	1011.5	IN ICE	4	8	77	5	2	1 14000 150
	54-1	519199	1838	0.8	0	1002.5	4	ور	013	20	0	1	4 5
								記書が当ま					
						1130	MACE CO						
												の記載の対象の対象が	

** IF SKY IS NOT VISIBLE, CLOUD AMOUNT = 9; OTHERWISE CLOUD ABOUNT SHOULD BE RECORDED IN EIGHTHS (EXAMPLE: CLOUD AMOUNT = 3/8; RECORD 3)

MULIS
CIRPOSTRATUS.
SUMULUS
STRATUS
STRATUS
TOCUMULUS
STEATUS
JULUS
ULONIMBUS