

Cast #	Date Day/Mo/Yr	Time (GMT)	Temp. (°C)		Press. (mb)	Seas (CODE)	Vis (CODE)	Winds		Clouds Amt **	Clouds Type (CODE)	Weather (CODE)
			Dry	Wet				Dirn (true)	Speed (kts)			
001	8/9/98	0116	8.5			4	7	300	19			
002	8/9/98	0122	8.5			4	7	300	19			
003	8/9/98	0307	8.5			4	7	300	19			
004	8/9/98	0355	8.5			3	7	080	20			
004A	8/9/98	0412	8.5			3	7	080	20			
005	8/9/98	0628	7.0			3	7	090	14			
006	8/9/98	0736	7.0			3	7	090	10			
007	8/9/98	0827	7.0			3	7	080	10			
008	8/9/98	0838	7.0			3	7	080	10			
009	8/9/98	0905	7.0			4	7	080	14			
010	10/9/98	0331	7.5			4		000	16			
011	10/9/98	0409	7.5		1013.8	5		000	16			
012	10/9/98	0452	7.0			5		000	16			
013	10/9/98	0605	7.0			5		000	16			
014	10/9/98	0657	7.0			5		330	16			

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

CODE	SEA STATE (FT)	VISIBILITY (NM)	CLOUD TYPE	WEATHER	CODE
0	0.0 - 0.3 feet - Glassy	< 00.02	CHRS	CLEAR	0
1	0.3 - 0.3 feet - Rippled	00.02 - 00.10	CIRROCUMULUS	PARTLY CLOUDY	1
2	0.3 - 1.6 feet - Wavy	00.10 - 00.25	CIRROSTRATUS	CONTINUOUS CLOUDS	2
3	1.6 - 4.1 feet - Slight	00.25 - 00.50	ALTOCUMULUS	BLOWING SNOW	3
4	4.1 - 8.2 feet - Moderate	00.50 - 01.00	ALTOSTRATUS	FOG, THICK DUST, HAZE	4
5	8.2 - 13.1 feet - Rough	01.00 - 02.00	NIMBOSTRATUS	DRIZZLE	5
6	13.1 - 19.7 feet - Very Rough	02.00 - 05.00	STRATOCUMULUS	RAIN	6
7	19.7 - 29.5 feet - High	05.00 - 10.00	STRATUS	SNOW OR RAIN/SNOW MIX	7
8	29.5 - 45.9 feet - Very High	10.00 - 25.00	CUMULUS	SHOWERS	8
9	> 45.9 feet - Phenomenal	> 25.00	CUMULONIMBUS	THUNDERSTORMS	9
*	NO OBSERVATION	NO OBSERVATION	NO OBSERVATION	NO OBSERVATION	*

Cast #	Date DAY/MO/YR	Time (GMT)	Temp. (°C)		Press. (mb)	Seas (CODE)	Vis (CODE)	Winds		Clouds Amt ** Type (CODE)	Weather (CODE)
			Dry	Wet				Dirn (true)	Speed (Kts)		
015	10/9/98	0801	7.0			4		320	16		
016	10/9/98	0823	7.0			4		320	16		
017	11/9/98	0203	7.0			4		320	14		
018	11/9/98	0257	7.0			4		320	14		
019	12/9/98	0042	7.0			4		320	14		
020	12/9/98	0152	7.0			4		310	14		
021	12/9/98	0236	9.0			3		310	12		
022	12/9/98	0338	9.0			3		310	12		
023	12/9/98	0429	9.0			3		310	12		
024	12/9/98	0510	8.0			3		330	14		
025	12/9/98	0552	7.5			3		350	14		
026	13/9/98	0021	8.0			4		300	12		
027	13/9/98	0111	8.0			3		300	12		
028	13/9/98	0154	8.0			3		300	12		
029	13/9/98	0230	9.0			3		300	14		

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(EXAMPLE: CLOUD AMOUNT = .26, RECORD 3)

CODE	SEA STATE (FT)	VISIBILITY (NM)	CLOUD TYPE		WEATHER		CODE
0	0.0 feet - Glassy	< 00.02	CFRUS		CLEAR		0
1	0.0 - 0.3 feet - Rippled	00.02 - 00.10	CFRCUMULUS		PARTLY CLOUDY		1
2	0.3 - 1.6 feet - Wavelet	00.10 - 00.25	CFROSTRATUS		CONTINUOUS CLOUDS		2
3	1.6 - 4.1 feet - Slight	00.25 - 00.50	ALTOCUMULUS		BLOWING SNOW		3
4	4.1 - 8.2 feet - Moderate	00.50 - 01.00	ALTOSTRATUS		FOG, THICK DUST, HAZE		4
5	8.2 - 13.1 feet - Rough	01.00 - 02.00	NIMBOSTRATUS		DRIZZLE		5
6	13.1 - 19.7 feet - Very Rough	02.00 - 05.00	STRATOCUMULUS		RAIN		6
7	19.7 - 29.6 feet - High	05.00 - 10.00	STRATUS		SNOW OR RAIN/SNOW MIX		7
8	29.6 - 45.9 feet - Very High	10.00 - 25.00	CUMULUS		SHOWERS		8
9	> 45.9 feet - Phenomenal	> 25.00	CUMULONIMBUS		THUNDERSTORMS		9
*	NO OBSERVATION	NO OBSERVATION	NO OBSERVATION		NO OBSERVATION		*



Cast #	Date	Time	Temp. (°C)	Press.	Seas	Vis	Winds	Clouds	Weather
	Day/Mo/Yr	(GMT)	Dry	Wet	(code)	(code)	Dirn (true) Speed (kts)	Amt ** Type (CODE)	(CODE)
030	13/9/98	0303	9.0		3		300 14		
031	13/9/98	0329	9.0		3		300 14		
032	13/9/98	0350	9.0		3		330 14		
033	13/9/98	0416	9.0		3		330 14		
034	13/9/98	0437	9.0		3		330 14		
035	13/9/98	0502	9.0		3		330 14		
036	14/9/98	2348	9.0		3		180 20		
037	15/9/98	0030	9.0		4		180 20		
038	15/9/98	0301	10.0		4		200 14		
039	15/9/98	0516	9.0		4		200 27		
040	15/9/98	0852	9.0		4		200 20		
041	15/9/98	1114	9.0		5	4			8
042	15/9/98	1438	8.0		5	6			8
043	15/9/98	1806	8.0		5	7	180 16		8
044	15/9/98	2146	8.0		4		180 30		2

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(EXAMPLE: CLOUD AMOUNT = 3/8, RECORD 3)

CODE	SEA STATE (FT)	VISIBILITY (NM)	CLOUD TYPE	WEATHER	CODE
0	0.0 feet - Glassy	< 00.02	CFRUS	CLEAR	0
1	0.0 - 0.3 feet - Rippled	00.02 - 00.10	CFRUCUMULUS	PARTLY CLOUDY	1
2	0.3 - 1.6 feet - Wavelet	00.10 - 00.25	CFRSTRATUS	CONTINUOUS CLOUDS	2
3	1.6 - 4.1 feet - Slough	00.25 - 00.50	ALTOCUMULUS	BLOWING SNOW	3
4	4.1 - 8.2 feet - Moderate	00.50 - 01.00	ALTOSTRATUS	FOG, THICK DUST, HAZE	4
5	8.2 - 13.1 feet - Rough	01.00 - 02.00	NIMBOSTRATUS	DRIZZLE	5
6	13.1 - 19.7 feet - Very Rough	02.00 - 05.00	STRATOCUMULUS	RAIN	6
7	19.7 - 29.6 feet - High	05.00 - 10.00	STRATUS	SNOW OR RAIN/ SNOW MIX	7
8	29.6 - 45.9 feet - Very High	10.00 - 25.00	CUMULUS	SHOWERS	8
9	> 45.9 feet - Phenomenal	> 25.00	CUMULONIMBUS	THUNDERSTORMS	9
*	NO OBSERVATION	NO OBSERVATION	NO OBSERVATION	NO OBSERVATION	*

Cast #	Date	Time	Temp. (°C)	Press.	Seas	Vis	Winds	Clouds	Weather
	Day/Mo/Yr	(GMT)	Dry	Wet	(CODE)	(CODE)	Dirn (true) Speed (kts)	Amt **	Type (CODE)
045	16/9/98	0304	8.0		4		180 27	8	6
046	16/9/98	0557	8.0		5		180 24		
047	16/9/98	0735	8.0		5		180 24		
048	16/9/98	0919	8.0		5		180 24		
049	16/9/98	1224	8.0		5		180 23	9	6
050	16/9/98	1513	8.0		5		180 23	9	
051	16/9/98	1730	8.0		5		180 23	8	6
052	16/9/98	1939	10.0		5		195 16	8	6
053	16/9/98	2146	10.0		4		180 16	8	6
054	17/9/98	0008	10.0		4		180 16	7	6
055	17/9/98	0218	10.0		5		200 16		
056	17/9/98	0507	9.0		4		200 16	3	8
057	17/9/98	0706	9.0				220 20		0
058	17/9/98	1008	9.0				200 19	0	
058A	17/9/98	1031			5	8			

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2	0.3 - 1.6 feet - Wavelet	00.10 - 00.25	CIRROSTRATUS	CONTINUOUS CLOUDS	2
3	1.6 - 4.1 feet - Slight	00.25 - 00.50	ALTOCUMULUS	BLOWING SNOW	3
4	4.1 - 8.2 feet - Moderate	00.50 - 01.00	ALTOSTRATUS	FOG, THICK DUST, HAZE	4
5	8.2 - 13.1 feet - Rough	01.00 - 02.00	NIMBOSTRATUS	DRIZZLE	5
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7	19.7 - 29.5 feet - High	05.00 - 10.00	STRATUS	SNOW OR RAIN/SNOW MIX	7
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