

Cast #	Date	Time (GMT)	Temperature (°C)		Bar. Press. (mb)	Seas (CODE)	Vis (CODE)	Winds		Amt **	Clouds Type (CODE)	Weather (CODE)
			Dry	Wet				Dirn (true)	Speed (kts)			
001	9/9/02	0337	12.4	11.3	1002.0	2	8	005	07	5	6	1
002	09 SEP 02	0700	11.5	10.6	1003.2	1	8	300	03	3	6	1
003	09 SEP 02	1131	11.2	10.3	1003.8	2	108	330	09	—	—	1
004	09 SEP 02	1248	11.0	9.8	1004.0	2	108	280	03	—	—	1
005	09 SEP 02	1600	11.8	10.2	1005.0	2	8	270	03	7	4	1
006	09 SEP 02	1850	13.3	11.3	1006.2	2	8	305	10	7	3/6	1
007	09 SEP 02	2106	13.3	10.5	1006.5	2	8	300	10	5	7/14	1
008	10 SEP 02	0053	15.0	11.0	1006.9	3	8	320	14	3	6/8	1
009	13 SEP 02	2320	12.2	11.5	997.2	4	7	200	06	6	6	1
010	14 SEP 02	0049	12.0	11.5	996.8	3	7	200	08	3	4/6	1
011	14 SEP 02	0200	12.2	11.5	995.9	3	7	210	12	5	8	1
012	14 SEP 02		10.7	10.0	994.4	4	7	190	14	6	7	1
013	14 SEP 02		10.6	10.2	994.2	4	7	190	15	6	7	1
014	14 SEP 02	0700	10.7	10.0	993.1	4	7	160	15	7	7	1
015	14 SEP 02	0827	11.1	10.3	991.2	4	7	150	15	8	7	2
016	14 SEP 02	1000	11.1	10.9	989.1	4	5	160	22	8	6	6

** 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 feet - Glassy	< 00.02	CIRRUS	CLEAR	0
1	0.0 - 0.3 feet - Rippled	00.02 - 00.10	CIRROCUMULUS	PARTLY CLOUDY	1
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
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	Time (GMT)	Temperature (°C)		Bar. Press. (mb)	Seas (CODE)	Vis (CODE)	Winds		Amt **	Clouds Type (CODE)	Weather (CODE)
			Dry	Wet				Dirn (true)	Speed (kts)			
017	14 SEPT	1155	10.1	9.9	1005.2	5	6	125	30	8	10	10
018												
019												
020	14 SEPT	2020	11.5	10.5	978.0	4	7	140	13	8	7	2
021	14 SEPT	2030	11.5	10.5	978.0	4	7	090	11	8	6	2
022	14 SEPT	2245	12.2	10.9	978.9	4	7	080	10	8	6	2
023	14 SEPT	2338	12.0	11.0	978.2	3	7	030	08	8	6	2
024	15 SEPT	0109	11.4	10.7	978.5	3	7	000	10	8	6	2
025	15 SEPT	0230	11.2	10.1	979.1	3	7	345	12	8	6	2
026	16 SEPT	0045	14.1	12.0	996.5	3	8	270	10	3	8	1
027												
028												
029												
030												
031												
032	16 SEPT	0949	11.0	10.5	998.8	3	7	100	8	0	/	0

** 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 feet - Glassy	< 00.02	CIRRUS	CLEAR	0
1	0.0 - 0.3 feet - Rippled	00.02 - 00.10	CIRROCUMULUS	PARTLY CLOUDY	1
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
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	Time (GMT)	Temperature (°C)		Bar. Press. (mb)	Seas (CODE)	Vis (CODE)	Winds		Amt **	Clouds Type (CODE)	Weather (CODE)
			Dry	Wet				Dirn (true)	Speed (kts)			
033												
034												
035	16-SEP-'02	1550	10.1	8.9	1000.9	2	8	165°	09	5	6/8	1
036	16-SEP-'02	1850	10.6	9.0	1001.5	3	8	200°	11	5	3/1	1
038	17 SEP 02	0045	11.0	8.5	1001.0	4	8	200	19	7	6/8	1
039						4	7			*	*	*
040	17 SEP-02	7:58				4	7			*	*	*
041	17 SEP-02	9:18		7.8		4	7			6	6/8	1, 5
042	17 SEP02	10:30		8.0		4	7			5	6/8	1
043	17 SEP 02	1200		8.0		3	7			1	8	1
044	17 SEP02	1445		7.8		4	7			5	8	1
045	17 SEP '02	1650		8.4		4	8			4	6	1
046	17 SEP '02	1800		9.0		4	8			5	6	1
047	17 SEP '02	2200		9.5		4	8			3	6	1
048	17 SEP '02	2300		9.5		4	8			3	6	1
048	22 SEP'02	0700	10.0	9.8	1013.0	3	5	040	19	8	?	6

** IF SKY IS NOT VISIBLE, CLOUD AMOUNT = 9; OTHERWISE CLOUD ABOUT 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 feet - Glassy	< 00.02	CIRRUS	CLEAR	0
1	0.0 - 0.3 feet - Rippled	00.02 - 00.10	CIRROCUMULUS	PARTLY CLOUDY	1
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
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	*

** IF SKY IS NOT VISIBLE, CLOUD AMOUNT = 9; OTHERWISE CLOUD ABOUT 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 feet - Glassy	< 00.02	CIRRUS	CLEAR	0
1	0.0 - 0.3 feet - Rippled	00.02 - 00.10	CIRROCUMULUS	PARTLY CLOUDY	1
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
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	*