

Cast #	Date	Time (GMT)	Temperature (°C)		Bar. Press. (mb)	Seas (CODE)	Vis (CODE)	Winds		Clouds Type (CODE)	Weather (CODE)
			Dry	Wet				Dirn (True)	Speed (kts)		
001	SEPT 3	1700	8.8	7.8	1008.1	4	8	270	18	—	1
002	3	1900	9.5	8.5	1007.5	3	8	275	18	—	1
003	3	2019	9.5	8.5	1008.8	4	8	270	16	6/8	1
004	3	2220	11.5	7.5	1009.0	4	8	270	19	6	1
005	SEPT 3	2344	10.0	8.4	1009.0	4	7	270	25	5	6
006	SEPT 4	0108	9.7	7.9	1008.9	4	7	280	22	6	1
007	4	0230	9.1	7.9	1008.3	4	7	285	22	6	1
008	4	0353	9.0	7.9	1008.6	4	7	270	23	6	2
009	4	0552	9.0	7.5	1009.0	4	7	275	26	6	2
010	4	0728	8.9	7.2	1010.0	*	7	285	24	*	*
011	4	1032	8.9	7.8	1011.1	4	7	280	22	*	*
012	4	1312	8.4	7.4	1012.0	4	7	285	22	*	*
013	4	1507	8.1	7.8	1012.0	4	7	290	23	5	6
014	4	1644	8.3	7.1	1012.5	4	7	290	24	6	2
015	4	1832	8.1	6.8	1013.2	4	7	290	18	6	2
016	4	2002	8.9	8.0	1013.5	4	6	305	22	7	2

taken from  
our hourly  
work sheets

\*\* 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		Clouds		Weather (CODE)
			Dry	Wet				Dirn (true)	Speed (kts)	Amt	Type	
017	Sept 04	2121	8.9	7.2	1013.5	5	7	290	17	8	6/7	2
018	04	2325	9.2	7.0	1014.2	5	7	295	17	8	6/7	2
020*	05	0259	8.4	7.0	1015.1	4	7	300	19	8	7	2
021	05	0420	7.8	6.6	1015.1	3	7	305	19	8	7	2
022	05	0611	8.5	7.8	1016.1	3	6	310	15	8	7	2
023	06	1637	8.0	7.1	1022.8	1	7	LT AIRS		8	6/7	2
024	06	1717	7.1	6.8	1023.1	1	7	300	06	7	6/7	6
025	06	1757	7.8	7.2	1023.1	1	7	LT AIRS		8	6/7	2
026	06	1838	7.9	7.0	1023.5	1	7	LT AIRS		7	6/7	1
027	06	1912	8.0	7.3	1023.7	1	7	LT AIRS		7	6/7	1
028	06	1934	8.1	7.0	1023.8	1	7	LT AIRS		7	6/7	1
029	06	2004	9.0	7.5	1024.0	1	7	LT AIRS		7	6/7	1
030	09	0446	10.0	9.0	1006.1	0	6	LT AIRS		*	*	4/5
031	09	0507	9.9	9.0	1006.2	0	4	LT AIRS		*	*	4/5
032	09	0526	10.0	9.0	1006.3	0	3	LT AIRS		*	*	4/5
033	09	0544	9.8	9.2	1006.5	0	3	LT AIRS		*	*	4/5

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

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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 #019 - no wx recorded; same sta. as 018; 19 minutes later

Cast #	Date	Time (GMT)	Temperature (°C)		Bar. Press. (mb)	Seas (CODE)	Vis (CODE)	Winds		Clouds		Weather (CODE)
			Dry	Wet				Dirn (true)	Speed (kts)	Amt **	Type (CODE)	
034	SEPT 09	0610	9.9	9.0	1006.5	1	7	050	10	*	*	4/5
035	09	0633	8.5	8.0	1007.0	1	6	060	10	*	*	4/5
036	09	0703	8.9	8.2	1007.2	2	7	060	12	*	*	4/5
037	09	0707	8.5	8.0	1007.8	2	7	065	14	*	*	2
038	09	0809	8.5	8.1	1008.1	2	6	060	11.5	*	VERY LOW CLOUDS	2
039	09	0854	7.9	7.5	1009.0	3	6	060	17.0	*	"	7
041*	12	1714	9.9	8.9	1001.0	4	7	130	24	7	7/3	1
042	074/001 12	2224	10.2	8.9	1002.0	4	7	115.0	20.0	7	6/7	1
043	14	1739	8.2	7.0	1013.9	3	7	275	11	7	7/8	1
044	14	1811	8.0	7.0	1013.9	2	7	270	11	7	7/8	1
045	14	1843	8.0	7.1	1014.0	2	7	260	9	7	7/8	1
046	14	1913	8.0	7.1	1014.0	2	7	260	6	7	7/8	1
047	14	1930	8.1	7.5	1014.0	3	7	250	9	7	7/4/8	1
048	14	2006	8.5	7.9	1014.0	3	7	250	10.1	7	7/8	1
049	14	2033	8.4	7.5	1014.4	3	7	255	9.0	7	7/8	1
050	14	2310	16.2	9.1	1013.7	3	7	220	5.0	7	6/8	1

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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	*

\* CTS 40 WX missed - 0146Z 11SEP99

Cast #	Date	Time (GMT)	Temperature (°C)		Bar. Press. (mb)	Seas (CODE)	Vis (CODE)	Winds		Clouds		Weather (CODE)
			Dry	Wet				Dirn (true)	Speed (kts)	Amt **	Type (CODE)	
51	9/14/99	1342	10.1	9.0	1013.8	1	7	220	07	7	7	1
52	9/15/99	0018	11.0	9.0	1012.5	1	7	240	11	7	7	1
53	SEP 15	0438	9.0	8.0	1012.5	0	7	210	5	8	7	2
54	15	0456	8.9	8.0	1012.5	0	7	220	5	8	7	2
55	15	0532	9.9	8.1	1012.5	0	7	200	4	8	7	2
56	15	0609	9.5	8.0	1012.5	1	7	175	5	8	*	2
57	15	1557	8.0	7.2	1005.1	2	7	140	20	8	*	2
58	15	1625	9.0	8.0	1004.9	2	7	140	19	8	*	2
59	15	1659	8.0	7.0	1004.3	3	7	155	25	8	*	2
60	15	1722	9.2	8.1	1004.1	3	7	140	20	8	7	2
61	15	1747	8.0	7.0	1003.9	3	7	140	21	8	7	2
62	SEP 16	0220	8.3	7.2	984.1	4	7	065	13	8	5	5
		0239	9.0	7.5	983.2	4	7	060	15	8	5	5
		0256	8.9	7.3	983.7	4	7	065	18	8	5	5
		0317	8.7	7.2	983.4	4	7	065	18	8	5	5
66		0338	8.0	7.1	983.5	4	7	080	25	9	5	5

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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	-

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			Dry	Wet			Dirn (true) Speed (kts)	Amt ** Type (CODE)	
67	17 SEP 99	0402	7.5	6.8	4	7	075 22	8 5	5
68	17	0438	7.6	7.0	4	7	065 18	8 5	5
69	17	0504	7.0	6.5	4	7	060 15	8 5	5
70	17	0530	7.0	6.1	4	7	055 21	8 5	5
71	17	0605	7.5	6.6	5	7	065 19	8 *	2
72	17	06	7.5	6.9	5	7	055 15	8 *	6
73	17	1005	7.0	6.1	3	7	350 18	8 *	6
74	17	1048	7.0	6.4	3	7	350 17	8 *	6
75	17 SEP	1406	7.4	7.0	3	7	010 10	8 *	5
76	17	1641	7.2	6.8	2	7	035 5	8 7	2
77	17	1824	8.0	7.0	1	7	LT AIRS	8 7	2
78	17	19	8.2	7.0	1	7	320 7	8 7	2
79	17	2049	10.0	8.4	3	5	008 7	8 7	2
80	17	2254	6.9	6.0	4	7	343 8	8 7/6	2
81	18	0153	7.2	6.7	3	7	320 18	8 7/6	2
82	SEP 18	0612	9.0	8.1	4	7	305 20	8 *	6

F06 22nm

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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	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	*

