

## WEATHER OBSERVATIONS

CAST #	Date 2001	Time UTC	Temperature		Bar Press (mb)	Seas (Code)	VIS (Code)	Winds		Clouds		Weather (Code)
			Dry	Wet				Dir (T)	Speed (Kts)	Amount	Type (Code)	
001	14 MAY	0730	7.3	5.8	1002.8	4	7	070	22	6	Sc, Cb, 6, 8	2
002	14 MAY	0935	7.2	5.8	1006.8	4	7	060	20	8	6, 8	2
003	14 MAY	1123	7.2	6.0	1006.0	4	7	070	20	6	6, 8	2
004	14 MAY	1323	6.9	5.1	1000.0	4	7	070	22	7	3, 5, 6, 8	2
005	14 MAY	1513	7.2	5.2	999.1	4	8	060	18	5	3, 8	1
006	14 MAY	1654	8.0	6.0	998.9	4	8	050	16	3	4, 8	1
007	14 MAY	1914	9.0	7.0	998.3	4	8	035	15	4	2, 4	1
008	14 MAY	2016	8.1	6.5	997.1	4	8	050	09	5	3, 4, 0	1
009	14 MAY	2316	8.2	6.5	996.0	5	8	020	10	5	3, 4, 0	1
010	15 MAY	0121	9.0	7.3	994.9	5	8	010	15	6	3, 4, 0	1
011	15 MAY	0332	9.3	7.6	994.8	5	8	020	17	7	0, 2, 3	2
012	15 MAY	0510	8.8	7.4	995.0	4	8	035	13	7	0, 2, 3, 4	2
013	15 MAY	0654	7.9	6.8	995.1	4	7	020	08	7	2, 3, 4	2
014	15 MAY	1559	7.3	6.3	997.8	4	8	060	10	8	7	6
015	15 MAY	1753	7.9	6.4	998.2	4	7	070	20	6	3, 6	1

If sky is not visible, cloud amount = 9; otherwise cloud amount should be recorded in eights (example: Cloud Amount - 3/8; Record 3

CODE	SEA STATE (ft)		Visibility (nm)	Cloud Type	Weather	CODE
0	0.00	feet - Glassy	< 0.02	Cirrus	Clear	0
1	0.0 - 0.3	feet - Rippled	0.02 - 0.10	Cirrocumulus	Partly Cloudy	1
2	0.3 - 1.6	feet - Wavelet	0.10 - 0.25	Cirrostratus	Continuous Clouds	2
3	1.6 - 4.1	feet - Slight	0.25 - 0.50	Alto cumulus	Blowing Snow	3
4	4.1 - 8.2	feet - Moderate	0.50 - 1.00	Altostratus	Fog, thick dust, haze	4
5	8.2 - 13.1	feet - Rough	1.00 - 2.0	Nimbostratus	Drizzle	5
6	13.1 - 19.7	feet - Very Rough	2.00 - 5.00	Stratocumulus	Rain	6
7	19.7 - 29.5	feet - High	5.00 - 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

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CAST #	Date	Time UTC	Temperature		Bar Press (mb)	Seas (Code)	VIS (Code)	Winds		Clouds		Weather (Code)
			Dry	Wet				Dir (T)	Speed (Kts)	Amount	Type (Code)	
016	15 MAY	1933	7.9	7.2	998.6	4	7	060	15	7	6, 7	6
017	15 MAY	2104	7.8	6.5	998.9	4	7	060	18	7	8, 6, 7	2
018	15 MAY	2243	8.2	6.7	999.1	4	7	070	18	7	6, 7	6, 2
019	16 MAY	0015	8.1	6.6	999.0	4	7	060	20	7	8, 7	2
020	16 MAY	0215	8.0	6.4	998.7	4	7	070	20	8	8, 7, 3	2, 8, 7
021	16 MAY	0419	7.8	6.6	998.4	4	7	055	20	7	9, 8, 7, 3	2
022	16 MAY	0604	7.0	5.9	999.4	4	7	080	18	7	8, 7, 6, 3	2
023	16 MAY	0750	7.3	5.8	999.8	4	7	070	18	7	6, 7, 8	2
024	16 MAY	0955	6.8	5.2	999.5	4	7	090	25	7	8, 6	2, 5
025	16 MAY	1153	6.6	5.1	999.6	4	7	075	20	6	6, 7, 8	2
026	16 MAY	1409	6.7	5.2	999.2	4	7	065	22	6	6, 7, 8	2
027	16 MAY	1706	7.0	5.4	999.2	4	7	070	20	5	8, 0	1
028	16 MAY	2011	7.3	5.5	999.4	4	7	060	18	6	8, 6, 3	2
029	17 MAY	0049	7.8	6.2	1001.0	4	7	070	20	8	6, 8	6, 2
030	17 MAY	0350	7.8	6.4	1001.3	4	7	070	20	7	8, 6, 7	6, 2

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CODE	SEA STATE (ft)		Visibility (nm)	Cloud Type	Weather	CODE
0	0.00	feet - Glassy	< 0.02	Cirrus	Clear	0
1	0.0 - 0.3	feet - Rippled	0.02 - 0.10	Cirrocumulus	Partly Cloudy	1
2	0.3 - 1.6	feet - Wavelet	0.10 - 0.25	Cirrostratus	Continuous Clouds	2
3	1.6 - 4.1	feet - Slight	0.25 - 0.50	Alto cumulus	Blowing Snow	3
4	4.1 - 8.2	feet - Moderate	0.50 - 1.00	Altostratus	Fog, thick dust, haze	4
5	8.2 - 13.1	feet - Rough	1.00 - 2.0	Nimbostratus	Drizzle	5
6	13.1 - 19.7	feet - Very Rough	2.00 - 5.00	Stratocumulus	Rain	6
7	19.7 - 29.5	feet - High	5.00 - 10.00	Stratus	Snow or rain/snow mix	7
8	29.5 - 45.9	feet - Very High	10.00 - 25.00	Cumulus	Showers	8
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CAST #	Date	Time UTC	Temperature		Bar Press (mb)	Seas (Code)	VIS (Code)	Winds		Clouds		Weather (Code)
			Dry	Wet				Dir (T)	Speed (Kts)	Amount	Type (Code)	
031	17 MAY	0652	6.8	6.0	1001.9	4	7	060	11	8	7,6,3	2
032	17 MAY	0954	7.1	6.1	1003.3	4	7	080	10	7	6,3	2
033	17 MAY	1308	6.8	5.8	1004.0	4	7	080	15	6	8,6,3	2
034	17 MAY	CAS	ABORTED - EQ DIP. PROBLEMS									*
035	17 MAY	1821	8.2	6.8	1004.7	4	7	070	12	8	8,6	2
036	17 MAY	1852	7.9	6.1	1005.5	4	7	070	15	7	8,6	2
037	17 MAY	2044	8.6	6.5	1006.6	4	7	085	13	6	8,6,3	2
038	17 MAY	2238	8.8	6.5	1007.4	4	7	100	15	6	8,3,4	2
039	18 MAY	0028	9.8	7.2	1008.1	3	7	110	15	7	8,7,6,5	6,2
040	18 MAY	0218	9.8	7.2	1008.2	3	7	100	13	7	8,6	2
041	18 MAY	0311	8.0	6.0	1008.5	3	7	100	13	7	8,6	2
042	18 MAY	0513	8.6	6.6	1008.9	3	7	060	12	7	8,7,6	2
043	18 MAY	0723	8.7	6.4	1009.5	3	7	100	13	8	8,7,6	2
044	18 MAY	0930	7.7	5.5	1009.9	3	7	140	05	6	8,6,3	2
045	18 MAY	1141	7.1	5.8	1010.4	2	8	020	06	7	8,6,3	2

If sky is not visible, cloud amount = 9; otherwise cloud amount should be recorded in eighths (example: Cloud Amount - 3/8; Record 3)

\* ABORTED

CODE	SEA STATE (ft)		Visibility (nm)	Cloud Type *	Weather	CODE
0	0.00	feet - Glassy	< 0.02	Cirrus	Clear	0
1	0.0 - 0.3	feet - Rippled	0.02 - 0.10	Cirrocumulus	Partly Cloudy	1
2	0.3 - 1.6	feet - Wavelet	0.10 - 0.25	Cirrostratus	Continuous Clouds	2
3	1.6 - 4.1	feet - Slight	0.25 - 0.50	Alto cumulus	Blowing Snow	3
4	4.1 - 8.2	feet - Moderate	0.50 - 1.00	Altostratus	Fog, thick dust, haze	4
5	8.2 - 13.1	feet - Rough	1.00 - 2.0	Nimbostratus	Drizzle	5
6	13.1 - 19.7	feet - Very Rough	2.00 - 5.00	Stratocumulus	Rain	6
7	19.7 - 29.5	feet - High	5.00 - 10.00	Stratus	Snow or rain/snow mix	7
8	29.5 - 45.9	feet - Very High	10.00 - 25.00	Cumulus	Showers	8
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CAST #	Date ZOO1	Time UTC	Temperature		Bar Press (mb)	Seas (Code)	VIS (Code)	Winds		Clouds		Weather (Code)
			Dry	Wet				Dir (T)	Speed (Kts)	Amount	Type (Code)	
046	18 MAY	1401	7.1	5.8	1010.6	2	8	350	06	7	6, 8	2
047	18 MAY	1735	8.0	6.4	1011.1	3	8	335	03	3	8, 7, 0	1
048	18 MAY	1924	9.0	6.8	1011.4	3	8	280	06	1	8, 6, 4	1
049	18 MAY	2101	9.2	6.4	1012.3	3	8	270	08	3	3, 0	1
050	18 MAY	2231	10.1	6.8	1012.5	3	8	265	10	3	3, 0, 8	1
051	18 MAY	2311	10.2	6.8	1012.6	3	8	255	09	3	3, 0, 8	1
052	19 MAY	0018	10.4	8.0	1012.5	3	8	260	10	5	0, 3, 8	1
053	19 MAY	0205	9.3	6.7	1012.7	3	8	250	13	4	0, 3, 8	1
054	19 MAY	0357	8.5	6.0	1012.8	3	8	260	15	3	0, 3, 8	1
055	19 MAY	0552	8.2	6.0	1013.2	3	8	260	16	2	0, 3	1
056	19 MAY	0804	7.5	5.8	1013.8	3	8	250	18	1	0, 3	1
057	19 MAY	1050	7.5	6.0	1015.1	4	8	250	18	4	0, 3, 6	1
058	19 MAY	1427	8.0	5.9	1015.8	4	8	250	12	4	0, 2	1
059	19 MAY	1600	8.4	7.2	1016.5	4	8	240	10	1	7, 4	1
060	19 MAY	1753	8.9	7.5	1017.4	4	8	240	09	1	3	1

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0	0.00	feet - Glassy	< 0.02	Cirrus	Clear	0
1	0.0 - 0.3	feet - Rippled	0.02 - 0.10	Cirrocumulus	Partly Cloudy	1
2	0.3 - 1.6	feet - Wavelet	0.10 - 0.25	Cirrostratus	Continuous Clouds	2
3	1.6 - 4.1	feet - Slight	0.25 - 0.50	Alto cumulus	Blowing Snow	3
4	4.1 - 8.2	feet - Moderate	0.50 - 1.00	Altostratus	Fog, thick dust, haze	4
5	8.2 - 13.1	feet - Rough	1.00 - 2.0	Nimbostratus	Drizzle	5
6	13.1 - 19.7	feet - Very Rough	2.00 - 5.00	Stratocumulus	Rain	6
7	19.7 - 29.5	feet - High	5.00 - 10.00	Stratus	Snow or rain/snow mix	7
8	29.5 - 45.9	feet - Very High	10.00 - 25.00	Cumulus	Showers	8
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			Dry	Wet				Dir (T)	Speed (Kts)	Amount	Type (Code)	
0601	19 MAY	1941	10.2	8.2	1018.7	4	8	235	13	1	3	1
0602	19 MAY	2123	9.8	7.8	1020.1	4	8	230	14	1	3	1
0603	19 MAY	2258	10.2	8.3	1020.8	3	8	210	10	2	3, 0	1
0604	20 MAY	0048	8.3	6.8	1021.4	3	8	190	10	3	0, 3, 8	1
0605	20 MAY	0340	10.3	8.1	1021.0	3	8	170	10	4	0, 8	1
0606	20 MAY	0511	9.1	6.8	1020.9	3	8	140	05	4	0, 8	1
0607	20 MAY	0653	8.2	6.4	1020.9	3	8	120	10	5	2, 3, 4, 8	1
0608	20 MAY	0839	7.1	5.5	1020.9	3	8	120	14	5	0, 3, 8	1
0609	20 MAY	1019	7.5	5.8	1019.9	3	8	085	10	7	3, 6, 8	2
070	20 MAY	1154	7.5	5.3	1019.0	4	7	090	18	7	6, 8	2
071	20 MAY	1323	6.8	5.1	1018.1	4	7	095	22	7	6, 8	2
072	20 MAY	1620	7.2	5.2	1016.0	4	7	080	15	7	6, 8	2
073	20 MAY	1809	7.6	5.2	1014.0	4	7	060	28	8	6, 8	2
074	20 MAY	1937	7.5	6.3	1011.5	4	7	060	25	8	6, 8	2
075	20 MAY	2102	7.5	5.6	1009.6	4	7	055	25	7	3, 6, 8	2

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0	0.00	feet - Glassy	< 0.02	Cirrus	Clear	0
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3	1.6 - 4.1	feet - Slight	0.25 - 0.50	Alto cumulus	Blowing Snow	3
4	4.1 - 8.2	feet - Moderate	0.50 - 1.00	Altostratus	Fog, thick dust, haze	4
5	8.2 - 13.1	feet - Rough	1.00 - 2.0	Nimbostratus	Drizzle	5
6	13.1 - 19.7	feet - Very Rough	2.00 - 5.00	Stratocumulus	Rain	6
7	19.7 - 29.5	feet - High	5.00 - 10.00	Stratus	Snow or rain/snow mix	7
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076	20 MAY	2242	6.8	5.4	1007.0	5	7	060	35	8	6, 8	6, 2
077	21 MAY	0015	6.5	5.0	1005.1	5	6	055	30	8	7	8, 2
078	21 MAY 22 MAY	1221	6.6	6.0	1000.2	5	6	045	20	8	7	6, 2
079	21 MAY	1625	6.8	6.0	1006.0	5	6	070	17	8	6	2, 6
080	21 MAY	1815	6.8	6.2	1001.2	5	6	090	15	8	6	2, 6
081	21 MAY	2000	6.7	5.8	1003.0	5	7	105	15	8	7	5, 2
082	21 MAY	2144	6.5	5.6	1004.0	5	7	095	19	8	7	6, 2
083	22 MAY	0027	6.4	5.8	1004.8	5	7	090	17	8	7	6, 2
084	22 MAY	0156	6.6	5.8	1005.5	5	6	110	18	8	7	6, 2
085	22 MAY	0348	6.9	5.5	1006.4	5	6	110	25	8	7	6, 2
086	22 MAY	0543	7.2	5.4	1006.5	5	7	120	14	8	3, 4, 6, 7, 8	2
087	22 MAY	0932	6.3	4.3	1007.0	5	7	100	13	8	6, 7, 8	2
088	22 MAY	1014	6.1	4.8	1007.0	4	7	075	10	7	8, 6, 7	2
089	22 MAY	1225	6.0	4.6	1005.7	4	7	060	08	8	8, 7, 9	2, 6
090	22 MAY	1423	6.6	5.2	1005.5	4	7	050	08	7	9, 8, 7, 3	2

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5	8.2 - 13.1	feet - Rough	1.00 - 2.0	Nimbostratus	Drizzle	5
6	13.1 - 19.7	feet - Very Rough	2.00 - 5.00	Stratocumulus	Rain	6
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091	22 MAY	1605	7.7	5.8	1005.4	4	7	030	10	7	3,6,8	1
092	22 MAY	1819	6.8	5.0	1005.3	4	7	035	10	7	8,4,0	1
093	22 MAY	2000	8.3	6.2	1006.2	4	7	025	08	6	4,8,0	1
094	22 MAY	2200	8.6	6.4	1006.7	4	7	030	08	6	4,8,0	1
095	22 MAY	2130	9.2	6.8	1006.7	4	8	020	07	6	0,3,8	1
096	22 MAY	2320	10.1	7.4	1007.5	4	8	000	05	6	8,3,2	1
097	23 MAY	0030	10.1	7.0	1007.8	3	8	000	06	6	8,4	2
098	23 MAY	0230	9.5	6.8	1009.0	3	8	355	05	6	8,4,3	2

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