

XII.—REPORT OF OPERATIONS AT SAINT JEROME OYSTER-BREEDING STATION DURING 1885.

BY W. DEC. RAVENEL.

By the first of June I had the ponds ready for the reception of spawn, but it was not until the 20th that ripe oysters were found in sufficient numbers to commence spawning regularly. From then until the end of August oysters were opened every day, and when ripe oysters were found the fertilized eggs were put in ponds 1, 2, 4, and 5. Although young oysters were found twenty-eight days after the introduction of the first lot of spawn into the ponds, only about six or seven hundred oysters were on the collectors when they were taken up in October.

The variation of density of the water in the ponds was very slight, not over .0003; and under ordinary conditions the variation between the bay and ponds averaged about .0004.

From the results obtained I think it of the greatest importance that the ponds used in artificial oyster culture should have the full rise and fall of the tide, which is impossible when the water has to be filtered to prevent the escape of the artificial spawn and the introduction of natural spawn.

Ponds 4 and 5, from which most of the spat was obtained, were the only ones where any considerable change of water existed, pond 4 being directly connected with the bay, and the condition of the soil around pond 5 being such as to allow the water to pass through it freely. Evidence in support of this can be found in pond 3, where 20 bushels of spawning oysters were put, and where poorer results were obtained than in any other pond except No. 1, which had the least circulation of any, water having to pass to it through ponds 2, 3, and 4.

The sand filters attached to the flumes became so foul in two or three days that no water could pass through them, and were so constructed that they could not be cleaned; they were changed, however, several times during the season, but soon became clogged again.

I had hoped from the improved condition of the ponds that the collectors would be free of sediment, but, with the exception of pond 5, their condition was much the same as in the previous season. Those in pond 5 were perfectly clean, which was due to the free circulation and the condition of the soil.

The collectors upon which the best results were obtained were mortar-coated slate, placed in wire trays, these trays resting on trestles 8 inches in height, the under surface of the slate being always clean. Another excellent and cheap collector was made of plastering-laths nailed together, about twenty-four in a bundle; these were either allowed to float around in the ponds or sunk by tying a weight of some kind to them.

Several times during the spawning season for four or five consecutive days no ripe oysters could be found, after which time nearly all the oysters taken from the same places would be perfectly ripe. Though it is impossible to assert that oysters spawn more than once during the season, still it seems improbable, if there were ripe oysters at the time I refer to, that none could be found.

During the year the bar at the entrance of Saint Jerome Creek has been removed, and a channel 140 feet wide and with a depth of 9 feet at low water has been dredged to the mouth of the south prong under the directions of Col. S. T. Abert, United States engineer.

There no longer exists any reason why steamers plying between Baltimore and Washington could not stop in here, giving the station direct communication with those cities; and I hope that every effort will be made to induce a steamer to stop at the wharf just built, where a landing can be made under all conditions of the weather.

RIDGE, MD., *May* 17, 1886.

Table of temperatures, weather, and density of water at Saint Jerome Station from January 1, 1885, to June 30, 1885, inclusive.

NOTE.—Thermometer No. 5308 was in use throughout the year. Salinometer No. 5319 was in use from January 1 to April 16, inclusive, except as indicated by the asterisk, in which cases No. 5317 was used. From April 16 to June 30, inclusive, Salinometer No. 5317 was used exclusively.

Date.	State of tide.	State of weather.	Direction of wind.	Temperature of air.	Water at wharf.		Water of oyster ponds.		Water at canal.		Water at lower pond.		Water at Deep Point.		Water in the bay.	
					Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.
1885.																
January 1, 8 a. m.	Low	Cloudy	NE.	50	48	1.0134	49	1.0124	48	1.0124	46	1.0134	46	1.0134	44	1.0140
January 1, 2 p. m.	High	Rain	NE.	40	44	1.0140	46	1.0134	41	1.0134	44	1.0140	44	1.0140	42	1.0140
January 2, 9 a. m.	Low	Clear	N.	26	33	1.0136	33	1.0130	30½	1.0140	32	1.0140	32	1.0140	32	1.0140
January 2, 3 p. m.	High	Clear	N.	30	31	1.0136	36	1.0130	35	1.0124	36	1.0136	35	1.0136	36	1.0140
January 3, 10 a. m.	Low	Clear	NE.	20	32	1.0138	30½	1.0134	30½	1.0140	30½	1.0140	30½	1.0142	30½	1.0142
January 3, 4 p. m.	High	Clear	NE.	30	30½	1.0132	30½	1.0134	30½	1.0130	30½	1.0134	30½	1.0140	30½	1.0140
January 4, 11 a. m.	Low	Rainy	NE.	32	31	1.0134	32	1.0132	32	1.0134	32	1.0134	32	1.0134	32	1.0134
January 4, 5 p. m.	High	Rainy	NE.	34	34	1.0134	33	1.0134	33	1.0130	33	1.0138	32	1.0140	32	1.0140
January 5, 12 m.	Low	Cloudy	NE.	34	36	1.0134	36	1.0110	34	1.0120	35	1.0134	36	1.0132	36	1.0138
January 5, 5 p. m.	High	Cloudy	W.	35	36	1.0134	36	1.0114	36	1.0130	36	1.0138	35	1.0138	36	1.0138
January 6, 12.30 p. m.	Low	Rain	SW.	49	42	1.0114	42	1.0112	42	1.0112	43	1.0120	42	1.0124	43	1.0124
January 6, 5.30 p. m.	High	Rain	SW.	50	45	1.0112	45	1.0100	45	1.0112	43	1.0122	43	1.0128	45	1.0128
January 7, 6 a. m.	High	Clear	NW.	42	45	1.0114	43	1.0114	43	1.0110	45	1.0120	45	1.0120	45	1.0124
January 7, 1 p. m.	Low	Clear	NW.	46	45	1.0122	45	1.0120	45	1.0114	45	1.0122	45	1.0130	45	1.0130
January 8, 6.30 a. m.	High	Clear	NW.	45	38	1.0120	40	1.0110	38	1.0110	38	1.0142	38	1.0144	38	1.0144
January 8, 1.30 p. m.	Low	Clear	W.	58	45	1.0124	43	1.0118	43	1.0120	45	1.0122	45	1.0130	47	1.0144
January 9, 7 a. m.	High	Clear	NW.	50	39	1.0130	38	1.0130	38	1.0130	40	1.0138	40	1.0138	41	1.0140
January 9, 2 p. m.	Low	Clear	W.	62	45	1.0130	48	1.0126	46	1.0124	46	1.0130	43	1.0132	48	1.0136
January 10, 7.30 a. m.	High	Clear	NW.	41	39	1.0136	38	1.0130	38	1.0128	37	1.0138	39	1.0142	39	1.0142
January 10, 2.30 p. m.	Low	Clear	NW.	38	40	1.0134	41	1.0130	40	1.0110	39	1.0138	40	1.0136	40	1.0140
January 11, 8.30 a. m.	High	Clear	SW.	45	42	1.0138	42	1.0128	42	1.0138	42	1.0142	42	1.0142	42	1.0142
January 11, 3 p. m.	Low	Clear	SW.	43	41	1.0138	41	1.0134	41	1.0132	42	1.0140	42	1.0140	42	1.0142
January 12, 9.30 a. m.	High	Clear	W.	60	47	1.0132	48	1.0132	48	1.0132	47	1.0132	47	1.0136	48	1.0136
January 12, 3.30 p. m.	Low	Clear	W.	50	49	1.0130	51	1.0130	49	1.0128	48	1.0132	48	1.0134	48	1.0134
January 13, 10 a. m.	High	Clear	NW.	45	43	1.0136	42	1.0136	43	1.0134	42	1.0140	41	1.0138	43	1.0140
January 13, 4 p. m.	Low	Clear	NW.	44	44	1.0138	46	1.0136	42	1.0134	42	1.0142	42	1.0144	42	1.0144
January 14, 10.30 a. m.	High	Clear	NE.	34	40	1.0138	39	1.0112	38	1.0142	39	1.0142	38	1.0142	38	1.0144
January 14, 4.30 p. m.	Low	Clear	E.	39	41	1.0140	40	1.0140	41	1.0140	42	1.0142	42	1.0142	42	1.0144
January 15, 10 a. m.	High	Rain	SE.	42	38	1.0138	39	1.0138	38	1.0136	38	1.0138	37	1.0138	39	1.0140
January 15, 3 p. m.	Low	Rain	W.	45	40	1.0122	41	1.0130	41	1.0130	40	1.0132	39	1.0138	39	1.0140
January 16, 12 m.	High	Cloudy	W.	60	42	1.0130	42	1.0124	42	1.0124	43	1.0134	44	1.0136	42	1.0136
January 16, 6 p. m.	Low	Clear	SW.	54	47	1.0128	48	1.0128	48	1.0128	47	1.0124	45	1.0132	45	1.0136
January 17, 9.30 a. m.	High	Clear	NW.	44	45	1.0130	44	1.0131	45	1.0131	43	1.0138	42	1.0142	42	1.0142
January 17, 12.30 p. m.	Low	Clear	NW.	34	44	1.0134	44	1.0134	44	1.0134	42	1.0140	42	1.0140	42	1.0144
January 18, 9.20 a. m.	High	Clear	NW.	25	35	1.0136	35	1.0110	35	1.0110	37	1.0136	38	1.0136	38	1.0138
January 18, 1.23 p. m.	Low	Clear	NW.	31	35	1.0136	34	1.0119	36	1.0110	38	1.0136	37	1.0136	38	1.0138

Table of temperatures, weather, and density of water at Saint Jerome Station from January 1, 1885, to June 30, 1885, inclusive—Continued.

Date.	State of tide.	State of weather.	Direction of wind.	Tem-	Water at wharf.		Water of oyster ponds.		Water at canal.		Water at lower pond.		Water at Deep Point.		Water in the bay.	
				perature of air.	Tem- perature.	Density.	Tem- perature.	Density.	Tem- perature.	Density.	Tem- perature.	Density.	Tem- perature.	Density.	Tem- perature.	Density.
1885.																
January 19, 8.15 a. m.	Low	Clear	NE.	30	30	1.0140	30	1.0138	30	1.0136	30	1.0142	30	1.0142	30	1.0154
January 19, 2.17 p. m.	High	Clear	NE.	34	35	1.0136	35	1.0130	35	1.0130	36	1.0142	36	1.0144	35	1.0144
January 20, 9.04 a. m.	Low	Clear	NE.	28	30	1.0138	30	1.0134	30	1.0132	31	1.0136	32	1.0138	32	1.0140
January 20, 3.09 p. m.	High	Cloudy	SE.	35	35	1.0138	33	1.0136	33	1.0136	34	1.0130	34	1.0130	33	1.0130
January 21, 10 a. m.	Low	Clear	NE.	45	35	1.0138	35	1.0136	35	1.0136	35	1.0138	35	1.0140	35	1.0142
January 21, 4 p. m.	High	Clear	NE.	42	37	1.0136	37	1.0124	37	1.0124	38	1.0140	38	1.0140	38	1.0142
January 22, 11 a. m.	Low	Clear	N.	18	30	1.0140	31	1.0136	31	1.0136	31	1.0144	31	1.0142	31	1.0150
January 22, 5 p. m.	High	Clear	NW.	20	30	1.0140	31	1.0130	31	1.0130	31	1.0140	31	1.0140	31	1.0144
January 23, 11.45 a. m.	Low	Clear	W.	26	31	1.0146	31	1.0110	31	1.0110	31	1.0126	31	1.0136	31	1.0150
January 23, 5.30 p. m.	High	Cloudy	S.	30	31	1.0138	31	1.0100	31	1.0120	31	1.0120	31	1.0124	31	1.0144
January 24, 6.15 a. m.	High	Rain	W.	30	33	1.0090	33	*1.0114	33	1.0118	34	1.0120	34	1.0062	34	1.0400
January 24, 12.45 p. m.	Low	Cloudy	NW.	40	35	*1.0040	35	*1.0112	35	*1.0122	34	1.0122	34	1.0032	34	1.0660
January 25, 7.30 a. m.	High	Cloudy	SW.	48	37	*1.0080	37	*1.0120	37	*1.0122	38	1.0122	37	1.0122	37	1.0122
January 25, 2 p. m.	Low	Cloudy	SW.	32	37	1.0114	38	1.0104	37	*1.0030	40	*1.0040	40	1.0124	40	1.0124
January 26, 8.5 a. m.	High	Clear	NW.	36	34	1.0116	34	1.0112	34	1.0112	35	1.0122	35	1.0122	35	1.0124
January 26, 3 p. m.	Low	Clear	NW.	36	35	*1.0110	35	*1.0106	36	*1.0106	37	1.0114	38	1.0126	39	1.0126
January 27, 9.50 a. m.	High	Clear	E.	32	33	1.0118	33	1.0116	33	1.0116	33	1.0120	33	1.0122	33	1.0122
January 27, 4 p. m.	Low	Clear	SE.	36	37	1.0116	38	1.0106	38	1.0118	36	1.0118	36	1.0126	36	1.0128
January 28, 10.50 a. m.	High	Sleet	NW.	32	35	1.0120	35	1.0116	35	1.0120	37	1.0122	37	1.0122	36	1.0122
January 28, 5 p. m.	Low	Clear	N.	33	32	1.0118	31	1.0118	31	1.0112	30 ¹	1.0120	30	1.0124	30	1.0124
January 29, 11.50 a. m.	High	Clear	W.	18	30	1.0122	30	1.0112	30	1.0118	30	1.0118	30	1.0120	30	1.0122
January 29, 6.15 p. m.	Low	Clear	W.	32	34	1.0122	34	1.0120	35	1.0122	35	1.0122	35	1.0122	35	1.0130
January 30, 12.49 p. m.	High	Clear	W.	44	35	1.0126	37	1.0126	37	1.0126	36	1.0122	35	1.0126	35	1.0130
January 30, 7 p. m.	Low	Cloudy	W.	48	38	1.0124	39	1.0160	38	1.0110	35	1.0122	37	1.0124	37	1.0126
January 31, 7 a. m.	Low	Clear	E.	38	33	1.0122	34	1.0116	33	1.0116	34	1.0128	34	1.0122	34	1.0128
January 31, 1.15 p. m.	High	Cloudy	E.	48	39	1.0120	40	1.0112	40	1.0124	40	1.0126	38	1.0126	38	1.0126
February 1, 8 a. m.	Low	Clear	SW.	37	37	1.0120	38	1.0112	37	1.0114	36	1.0122	35	1.0122	35	1.0124
February 1, 2.20 p. m.	High	Clear	NW.	44	40	1.0122	40	1.0120	40	1.0120	38	1.0124	37	1.0124	42	1.0124
February 2, 8.56 a. m.	Low	Clear	NW.	35	30	1.0116	32	1.0110	31	1.0110	30	1.0112	30	1.0112	30	1.0116
February 2, 2.56 p. m.	High	Clear	NW.	38	33	1.0122	33	1.0120	34	1.0120	35	1.0124	35	1.0126	35	1.0130
February 3, 9.40 a. m.	Low	Clear	SW.	45	33	1.0124	36	1.0122	34	1.0122	33	1.0124	33	1.0124	34	1.0124
February 3, 3.49 p. m.	High	Clear	SE.	44	38	1.0128	36	1.0126	37	1.0126	37	1.0128	37	1.0126	38	1.0126
February 4, 10.30 a. m.	Low	Clear	E.	42	37	1.0124	37	1.0124	36	1.0124	38	1.0124	38	1.0126	38	1.0128
February 4, 4.40 p. m.	High	Clear	E.	45	38	1.0128	39	1.0126	38	1.0126	38	1.0126	38	1.0124	38	1.0124
February 5, 11.20 a. m.	Low	Clear	NE.	42	42	1.0122	40	1.0122	42	1.0120	40	1.0124	40	1.0126	40	1.0126
February 5, 5.20 p. m.	High	Clear	NE.	40	44	1.0124	42	1.0126	43	1.0126	39	1.0126	39	1.0126	40	1.0130
February 6, 12.20 p. m.	Low	Cloudy	NE.	31	35	1.0126	35	1.0126	35	1.0126	36	1.0124	37	1.0126	36	1.0128
February 6, 5.55 p. m.	High	Clear	NNW.	30	34	1.0126	34	1.0126	33	1.0124	31	1.0126	35	1.0126	35	1.0126
February 7, 7 a. m.	High	Clear	E.	25	22	1.0122	32	1.0122	33	1.0122	32	1.0126	33	1.0126	34	1.0128

February 7, 1.15 p. m.	Low	Clear	E.	34	34	1.0124	33	1.0126	34	1.0128	35	1.0126	34	1.0126	34	1.0126
February 8, 8 a. m.	High	Cloudy	SW.	38	36	1.0122	36	1.0122	36	1.0122	35	1.0122	34	1.0122	35	1.0124
February 8, 2.20 p. m.	Low	Clear	NE.	42	40	1.0124	42	1.0124	40	1.0124	40	1.0126	40	1.0126	38	1.0124
February 9, 9 a. m.	High	Cloudy	E.	38	37	1.0122	37	1.0122	37	1.0122	37	1.0124	36	1.0122	37	1.0124
February 9, 3.30 p. m.	Low	Cloudy	NE.	42	37	1.0122	37	1.0122	37	1.0122	37	1.0124	36	1.0124	37	1.0124
February 10, 10 a. m.	High	Rain	NW.	40	37	1.0122	36	1.0122	36	1.0122	37	1.0122	38	1.0122	38	1.0122
February 10, 4.20 p. m.	Low	Cloudy	NW.	30	36	1.0122	37	1.0120	33	1.0120	38	1.0122	38	1.0122	36	1.0122
February 11, 10.40 a. m.	High	Clear	NW.	19	30 $\frac{1}{2}$	1.0124	30 $\frac{1}{2}$	1.0112	30 $\frac{1}{2}$	1.0112	30 $\frac{1}{2}$	1.0122	30 $\frac{1}{2}$	1.0124	30 $\frac{1}{2}$	1.0124
February 11, 5.25 p. m.	Low	Clear	NW.	22	30 $\frac{1}{2}$	1.0124	30 $\frac{1}{2}$	1.0124	30 $\frac{1}{2}$	1.0128	30 $\frac{1}{2}$	1.0128	30 $\frac{1}{2}$	1.0128	30 $\frac{1}{2}$	1.0128
February 12-23 a.																
February 24, 9 a. m.	High	Cloudy	SE.	25	32	1.0116	31	1.0114	31	1.0114	31	1.0120	33	1.0120	33	1.0120
February 24, 3 p. m.	Low	Snow	SE.	30	32	1.0114	31	1.0112	31	1.0112	32	1.0118	33	1.0120	33	1.0120
February 25, 10 a. m.	High	Cloudy	NE.	32	32	1.0116	31	1.0114	31	1.0114	32	1.0118	32	1.0118	32	1.0118
February 25, 4 p. m.	Low	Clear	E.	34	32	1.0112	32	1.0110	32	1.0110	32	1.0114	32	1.0114	32	1.0118
February 26, 11 a. m.	High	Cloudy	NE.	34	32	1.0116	31	*1.0392	31	*1.0100	32	1.0118	32	1.0122	32	1.0122
February 26, 5 p. m.	Low	Snow	NE.	34	32	*1.0098	31	*1.0094	31	*1.0102	31	1.0116	32	1.0116	32	1.0122
February 27, 12 m.	High	Clear	SW.	34	33	*1.0104	32	*1.0098	32	*1.0098	33	1.0120	33	1.0120	34	1.0122
February 27, 6 p. m.	Low	Clear	W.	38	33	*1.0026	32	*1.0108	32	*1.0108	31	1.0112	33	1.0116	33	1.0122
February 28, 7 a. m.	Low	Clear	SE.	33	34	*1.0082	34	*1.0082	34	*1.0080	35	1.0126	35	1.0122	35	1.0122
February 28, 1 p. m.	High	Clear	SW.	52	37	*1.0050	37	*1.0076	35	*1.0070	37	1.0120	38	1.0122	37	1.0122
March 1, 8 a. m.	Low	Cloudy	SW.	44	36	*1.0184	36	*1.0068	36	*1.0068	36	*1.0102	37	1.0120	37	1.0120
March 1, 2 p. m.	High	Rain	SW.	52	37	*1.0100	38	*1.0088	37	1.0088	37	1.0116	37	1.0118	37	1.0118
March 2, 9 a. m.	Low	Clear	NW.	32	37	*1.0010	35	*1.0020	36	*1.0020	37	*1.0040	36	*1.0106	36	1.0118
March 2, 3 p. m.	High	Clear	NW.	44	38	*1.0076	37	*1.0078	37	*1.0078	38	1.0104	39	1.0116	38	1.0120
March 3, 10 a. m.	Low	Clear	NW.	38	36	*1.0070	37	*1.0070	35	*1.0076	36	*1.0070	37	1.0112	37	1.0120
March 3, 4 p. m.	High	Clear	NW.	52	38	1.0160	39	1.0116	37	1.0110	39	1.0100	39	1.0118	41	1.0120
March 4, 11 a. m.	Low	Clear	SW.	68	47	1.0104	48	1.0100	48	1.0100	47	1.0110	46	1.0112	49	1.0118
March 4, 5 p. m.	High	Clear	E.	48	46	1.0112	46	1.0104	47	1.0106	43	1.0120	42	1.0122	42	1.0124
March 5, 12 m.	Low	Clear	NW.	54	45	1.0110	46	1.0100	46	1.0103	45	1.0118	45	1.0118	45	1.0120
March 5, 6 p. m.	High	Clear	NW.	45	44	1.0116	44	1.0102	44	1.0100	40	1.0122	39	1.0122	41	1.0122
March 6, 7 a. m.	High	Clear	E.	34	42	1.0114	41	1.0118	41	1.0118	39	1.0120	39	1.0122	39	1.0124
March 6, 1 p. m.	Low	Clear	E.	54	45	1.0116	47	1.0116	47	1.0116	50	1.0114	50	1.1116	49	1.0120
March 7, 8 a. m.	High	Clear	SE.	40	41	*1.0100	41	*1.0080	40	*1.0080	40	1.0118	41	1.0120	42	1.0124
March 7, 2 p. m.	Low	Clear	SE.	54	43	1.0116	42	1.0110	42	1.0114	42	1.0116	43	1.0120	43	1.0124
March 8, 9 a. m.	High	Cloudy	E.	40	41	1.0118	40	1.0118	40	1.0118	41	1.0120	41	1.0122	42	1.0122
March 8, 3 p. m.	Low	Cloudy	E.	40	42	1.0116	43	1.0114	43	1.0112	43	1.0118	42	1.0120	42	1.0122
March 9, 10 a. m.	High	Clear	NW.	50	32	1.0114	34	1.0116	32	1.0116	37	1.0120	37	1.0124	37	1.0124
March 9, 4 p. m.	Low	Clear	SW.	44	41	1.0116	40	1.0110	40	1.0112	41	1.0118	42	1.0122	42	1.0124
March 10, 11 a. m.	High	Clear	W.	50	43	1.0114	42	1.0110	42	1.0110	47	1.0120	46	1.0122	47	1.0128
March 10, 5 p. m.	Low	Clear	E.	48	41	1.0116	41	1.0118	40	1.0120	40	1.0122	40	1.0124	40	1.0124
March 11, 12 m.	High	Clear	SE.	34	42	1.0120	42	1.0118	42	1.0118	42	1.0122	44	1.0124	42	1.0128
March 11, 6 p. m.	Low	Cloudy	SW.	36	40	1.0120	40	1.0116	41	1.0114	41	1.0120	41	1.0124	41	1.0128
March 12																
March 13, 7 a. m.	Low	Snow	NE.	38	32	1.0120	32	1.0116	32	1.0120	32	1.0120	32	1.0128	32	1.0130
March 13, 1.30 p. m.	High	Snow	NE.	30	34	1.0128	34	1.0128	34	1.0124	34	1.0130	34	1.0130	34	1.0130
March 14, 8.30 a. m.	Low	Clear	NW.	40	39	1.0120	36	1.0120	26	1.0122	38	1.0124	37	1.0130	37	1.0130
March 14, 2 p. m.	High	Clear	NW.	42	38	1.0122	38	1.0120	37	1.0120	39	1.0124	39	1.0130	39	1.0130
March 15, 9 a. m.	Low	Rain	SW.	44	42	1.0120	42	1.0120	42	1.0120	42	1.0120	42	1.0122	42	1.0124
March 15, 2.20 p. m.	High	Rain	SW.	48	44	1.0122	44	1.0122	46	1.0122	47	1.0124	47	1.0124	47	1.0122
March 16, 9.15 a. m.	Low	Clear	SW.	50	44	1.0124	48	1.0122	44	1.0122	48	1.0126	46	1.0130	44	1.0140

a The ponds and canal froze up, and the bay froze out 100 yards. No records were kept again until February 24, when it began to thaw.

b No record kept.

Table of temperatures, weather, and density of water at Saint Jerome Station from January 1, 1885, to June 30, 1885, inclusive—Continued.

Date.	State of tide.	State of weather.	Direction of wind.	Temperature of air.		Water at wharf.		Water of oyster ponds.		Water at canal.		Water at lower pond.		Water at Deep Point.		Water in the bay.	
				Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.
1885.																	
March 16, 2.30 p. m.	High	Clear	SW.	52	43	1.0122	44	1.0122	44	1.0124	45	1.0128	42	1.0132	43	1.0132	43
March 17, 9.30 a. m.	Low	Clear	NW.	28	32	1.0120	32	1.0120	32	1.0120	32	1.0122	32	1.0128	32	1.0128	32
March 17, 3 p. m.	High	Cloudy	NW.	26	32	1.0122	32	1.0122	32	1.0122	32	1.0126	32	1.0128	32	1.0130	32
March 18, 5.50 a. m.	Low	Clear	NW.	26	36	1.0124	36	1.0126	36	1.0126	37	1.0130	37	1.0130	37	1.0130	37
March 18, 3.20 p. m.	High	Clear	NW.	22	38	1.0128	39	1.0128	37	1.0128	38	1.0132	37	1.0132	37	1.0132	37
March 19, 10 a. m.	Low	Cloudy	SW.	31	37	1.0124	37	1.0124	37	1.0124	37	1.0130	37	1.0130	37	1.0130	37
March 19, 3.30 p. m.	High	Cloudy	NW.	31	36	1.0124	35	1.0124	35	1.0124	35	1.0128	35	1.0132	35	1.0132	35
March 20, 10 a. m.	Low	Clear	NW.	30	33	1.0124	30	1.0124	30	1.0124	30	1.0124	30	1.0128	30	1.0130	30
March 20, 3.40 p. m.	High	Clear	NW.	20	30	1.0124	30	1.0124	30	1.0122	30	1.0128	30	1.0132	31	1.0132	31
March 21, 10.30 a. m.	Low	Clear	NW.	30	31	1.0124	31	1.0124	31	1.0124	31	1.0128	31	1.0130	31	1.0132	31
March 21, 4.10 p. m.	High	Clear	W.	30	32	1.0124	32	1.0124	32	1.0124	32	1.0132	32	1.0130	32	1.0134	32
March 22, 11 a. m.	Low	Snow	NE.	20	31	1.0120	31	1.0120	31	1.0120	31	1.0128	31	1.0120	31	1.0122	31
March 22, 4.50 p. m.	High	Snow	NE.	20	31	1.0120	31	1.0120	31	1.0118	31	1.0126	31	1.0124	31	1.0128	31
March 23, 12 m.	Low	Cloudy	NW.	24	31	1.0130	31	1.0120	31	1.0120	31	1.0130	31	1.0130	31	1.0134	31
March 23, 5.50 p. m.	High	Clear	NW.	22	32	1.0130	31	*1.0100	31	*1.0100	31	1.0128	31	1.0128	31	1.0134	31
March 24, 1.15 p. m.	Low	Clear	W.	40	34	1.0130	35	1.0100	36	1.0110	36	1.0122	36	1.0130	36	1.0130	36
March 24, 7.20 p. m.	High	Clear	SW.	33	36	1.0116	36	1.0116	36	1.0118	35	1.0130	35	1.0130	35	1.0132	35
March 25, 8.45 a. m.	High	Clear	NW.	40	35	1.0126	38	1.0122	38	1.0122	36	1.0134	37	1.0134	38	1.0134	38
March 25, 2.45 p. m.	Low	Clear	NW.	51	42	1.0126	43	*1.0100	43	*1.0102	43	1.0130	42	1.0130	42	1.0130	42
March 26, 9.50 a. m.	High	Clear	NE.	50	47	1.0128	47	1.0126	47	1.0126	46	1.0130	45	1.0132	50	1.0132	50
March 26, 3.30 p. m.	Low	Clear	SE.	48	49	1.0116	47	1.0116	47	1.0114	48	1.0124	47	1.0128	49	1.0128	49
March 27, 10.25 a. m.	High	Clear	SW.	52	51	1.0128	51	1.0126	51	1.0124	51	1.0126	52	1.0130	52	1.0124	52
March 27, 4.50 p. m.	Low	Cloudy	SW.	56	52	1.0122	52	1.0122	52	1.0122	52	1.0126	52	1.0124	52	1.0124	52
March 28, 11.17 a. m.	High	Cloudy	SW.	54	52	1.0124	52	1.0124	52	1.0124	52	1.0126	52	1.0128	52	1.0128	52
March 28, 5.40 p. m.	Low	Rain	E.	51	53	1.0126	54	1.0126	54	1.0126	52	1.0126	52	1.0128	54	1.0124	54
March 29, 12 m.	High	Clear	NW.	34	38	1.0128	38	1.0128	38	1.0128	38	1.0128	38	1.0132	38	1.0134	38
March 29, 6.40 p. m.	Low	Clear	NW.	44	42	1.0130	42	1.0130	42	1.0130	43	1.0128	43	1.0132	42	1.0134	42
March 30, 7.45 a. m.	Low	Clear	SW.	40	41	1.0128	42	1.0130	42	1.0130	42	1.0124	42	1.0132	42	1.0134	42
March 30, 1.10 p. m.	High	Clear	SW.	45	46	1.0128	46	1.0128	44	1.0126	44	1.0130	46	1.0136	45	1.0134	45
March 31, 9 a. m.	Low	Clear	SW.	50	50	1.0126	52	1.0126	52	1.0126	51	1.0126	50	1.0123	51	1.0128	51
March 31, 2 p. m.	High	Clear	SE.	60	54	1.0122	55	1.0124	55	1.0124	56	1.0126	56	1.0128	55	1.0128	55
April 1, 10 a. m.	Low	Clear	SW.	60	58	1.0128	57	1.0118	56	1.0118	56	1.0126	57	1.0120	57	1.0130	57
April 1, 3.30 p. m.	High	Clear	SW.	64	58	1.0128	57	1.0126	59	1.0126	59	1.0120	59	1.0126	59	1.0128	59
April 2, 11 a. m.	Low	Clear	SW.	65	57	1.0126	58	1.0126	57	1.0126	57	1.0128	57	1.0128	57	1.0128	57
April 2, 4.30 p. m.	High	Clear	SW.	65	58	1.0126	58	1.0126	58	1.0126	58	1.0130	58	1.0128	58	1.0130	58
April 3, 12 m.	Low	Clear	SW.	63	60	1.0126	58	1.0124	58	1.0124	59	1.0128	59	1.0128	58	1.0130	58
April 3, 6 p. m.	High	Cloudy	SW.	62	58	1.0128	57	1.0126	57	1.0126	55	1.0128	57	1.0130	58	1.0130	58
April 4, 12.30 p. m.	Low	Cloudy	SW.	43	53	1.0128	54	1.0128	53	1.0128	53	1.0126	54	1.0130	54	1.0130	54
April 4, 6.30 p. m.	High	Clear	NW.	43	52	1.0128	51	1.0128	50	1.0128	50	1.0132	50	1.0132	50	1.0132	50

April 5, 7 a. m.	High	Clear	NW	45	44	1.0128	44	1.0128	46	1.0128	44	1.0130	46	1.0130	44	1.0132
April 5, 1 p. m.	Low	Clear	NW	55	49	1.0128	50	1.0128	57	1.0128	50	1.0130	54	1.0130	55	1.0130
April 6, 7.45 a. m.	High	Clear	NW	53	54	1.0130	54	1.0130	54	1.0130	55	1.0132	53	1.0132	52	1.0130
April 6, 1.45 p. m.	Low	Clear	NW	70	58	1.0128	59	1.0128	59	1.0128	60	1.0128	59	1.0128	60	1.0132
April 7, 8.30 a. m.	High	Clear	SE	55	55	1.0126	55	1.0126	55	1.0128	55	1.0128	56	1.0128	56	1.0130
April 7, 2.30 p. m.	Low	Clear	SE	63	55	1.0128	55	1.0128	55	1.0128	55	1.0128	56	1.0128	56	1.0130
April 8, 9.20 a. m.	High	Cloudy	W	62	62	1.0120	59	1.0124	58	1.0128	62	1.0122	62	1.0124	58	1.0128
April 8, 3.15 p. m.	Low	Rain	W	65	64	1.0120	62	1.0120	62	1.0120	62	1.0124	62	1.0124	62	1.0126
April 9, 10 a. m.	High	Clear	NW	42	62	1.0130	49	1.0120	48	1.0120	48	1.0134	49	1.0134	48	1.0134
April 9, 4 p. m.	Low	Clear	NW	44	54	1.0120	53	1.0110	50	1.0110	48	1.0130	48	1.0132	51	1.0134
April 10, 11 a. m.	High	Clear	E	42	45	1.0124	45	1.0124	46	1.0128	46	1.0124	45	1.0120	45	1.0128
April 10, 5 p. m.	Low	Clear	E	42	48	1.0122	48	1.0130	46	1.0130	46	1.0124	48	1.0128	45	1.0122
April 11, 12 m.	High	Rain	SW	44	44	1.0118	43	1.0120	43	1.0112	43	1.0112	44	1.0114	44	1.0120
April 11, 6 p. m.	Low	Cloudy	SW	45	46	1.0120	47	1.0120	47	1.0120	46	1.0120	46	1.0120	46	1.0120
April 12, 12.30 p. m.	High	Clear	NW	54	52	1.0110	52	1.0110	53	1.0110	54	1.0110	55	1.0114	54	1.0112
April 12, 6.30 p. m.	Low	Clear	NE	51	52	1.0112	54	1.0106	54	1.0108	54	1.0112	56	1.0114	56	1.0114
April 13, 1 p. m.	High	Cloudy	NW	48	52	1.0110	52	1.0110	52	1.0110	55	1.0110	53	1.0110	54	1.0110
April 13, 7 p. m.	Low	Cloudy	NW	40	52	1.0110	54	1.0110	53	1.0103	52	1.0114	48	1.0110	52	1.0110
April 14, 8 a. m.	Low	Clear	NW	38	41	1.0116	42	1.0116	42	1.0118	41	1.0118	42	1.0118	41	1.0118
April 14, 1.30 p. m.	High	Clear	NW	44	51	1.0112	51	1.0110	52	1.0110	47	1.0100	48	1.0110	51	1.0110
April 15, 8.30 a. m.	Low	Clear	SW	45	48	1.0110	48	1.0110	48	*1.0090	48	*1.0094	48	*1.0094	48	*1.0092
April 15, 2.15 p. m.	High	Cloudy	SW	50	49	*1.0094	49	*1.0094	49	*1.0094	49	*1.0092	49	*1.0092	49	*1.0092
April 16, 9.30 a. m.	Low	Clear	NE	55	50	1.0098	50	1.0098	50	1.0098	49	1.0098	49	1.0106	49	1.0106
April 16, 3.20 p. m.	High	Clear	E	65	55	1.0098	56	1.0098	57	1.0096	55	1.0094	57	1.0098	58	1.0104
April 17, 10 a. m.	Low	Clear	E	52	50	1.0100	50	1.0109	51	1.0100	49	1.0100	50	1.0100	50	1.0100
April 17, 4 p. m.	High	Clear	E	53	52	1.0096	54	1.0096	52	1.0096	52	1.0096	54	1.0096	52	1.0096
April 18, 11 a. m.	Low	Clear	E	64	54	1.0096	54	1.0096	54	1.0096	53	1.0096	54	1.0098	51	1.0096
April 18, 5 p. m.	High	Clear	SE	60	54	1.0096	54	1.0096	54	1.0096	51	1.0098	51	1.0096	56	1.0096
April 19, 11.40 a. m.	Low	Clear	E	69	55	1.0094	56	1.0094	57	1.0098	57	1.0090	57	1.0098	57	1.0096
April 19, 5.30 p. m.	High	Clear	SE	63	58	1.0094	58	1.0096	58	1.0094	57	1.0096	58	1.0098	59	1.0096
April 20, 12.30 p. m.	Low	Clear	SE	65	65	1.0098	65	1.0098	65	1.0092	64	1.0094	64	1.0092	64	1.0096
April 20, 6.15 p. m.	High	Clear	SW	60	65	1.0088	65	1.0088	66	1.0086	67	1.0094	62	1.0092	65	1.0080
April 21, 7.45 a. m.	High	Clear	S	60	65	1.0080	65	1.0080	66	1.0080	67	1.0080	62	1.0086	65	1.0088
April 21, 1.30 p. m.	Low	Clear	SE	70	65	1.0084	65	1.0084	65	1.0080	65	1.0080	65	1.0080	65	1.0084
April 22, 9 a. m.	High	Clear	S	69	65	1.0084	65	1.0090	65	1.0090	62	1.0090	61	1.0084	61	1.0084
April 22, 3 p. m.	Low	Clear	SE	82	69	1.0080	72	1.0080	74	1.0080	72	1.0080	70	1.0076	71	1.0080
April 23, 10 a. m.	High	Clear	SE	70	66	1.0086	66	1.0082	65	1.0082	62	1.0076	62	1.0080	62	1.0082
April 23, 4 p. m.	Low	Clear	SE	76	73	1.0076	73	1.0078	72	1.0080	68	1.0082	74	1.0076	74	1.0076
April 24, 10.40 a. m.	High	Clear	S	70	66	1.0088	66	1.0088	66	1.0086	65	1.0082	65	1.0080	65	1.0082
April 24, 4.30 p. m.	Low	Cloudy	SE	78	69	1.0084	68	1.0086	68	1.0084	67	1.0084	67	1.0084	67	1.0084
April 25, 11.20 a. m.	High	Clear	SW	70	70	1.0082	69	1.0080	69	1.0080	70	1.0080	68	1.0080	68	1.0080
April 25, 5.20 p. m.	Low	Cloudy	SW	70	67	1.0084	68	1.0080	68	1.0080	68	1.0080	68	1.0082	67	1.0084
April 26, 12 m.	High	Rain	SW	60	65	1.0080	70	1.0070	70	1.0072	68	1.0080	67	1.0080	67	1.0084
April 26, 6 p. m.	Low	Cloudy	SW	61	67	1.0078	67	1.0080	70	1.0072	67	1.0080	67	1.0080	68	1.0080
April 27, 1 p. m.	High	Clear	NW	75	65	1.0090	67	1.0082	67	1.0084	67	1.0090	67	1.0088	67	1.0092
April 27, 7 p. m.	Low	Clear	SW	60	64	1.0080	65	1.0084	65	1.0084	65	1.0090	65	1.0088	65	1.0092
April 28, 8 a. m.	Low	Cloudy	SW	60	65	1.0090	65	1.0082	64	1.0082	66	1.0082	65	1.0082	65	1.0090
April 28, 2 p. m.	High	Rain	SW	65	66	1.0090	66	1.0090	65	1.0090	65	1.0090	65	1.0090	65	1.0090
April 29, 9 a. m.	Low	Clear	NW	50	55	1.0100	55	1.0098	55	1.0098	55	1.0100	55	1.0098	55	1.0102
April 29, 3 p. m.	High	Clear	NW	64	62	1.0092	65	1.0090	62	1.0090	60	1.0100	60	1.0100	60	1.0100
April 30, 9.45 a. m.	Low	Clear	N	70	59	1.0098	59	1.0098	59	1.0097	59	1.0100	59	1.0100	59	1.0100
April 30, 3.30 p. m.	High	Cloudy	SW	65	62	1.0096	63	1.0096	63	1.0098	62	1.0100	63	1.0100	62	1.0100

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OPERATIONS AT SAINT JEROME STATION.

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Table of temperatures, weather, and density of water at Saint Jerome Station from January 1, 1885, to June 30, 1885, inclusive—Continued.

Date.	State of tide.	State of weather.	Direction of wind.	Temper-	Water at wharf.		Water of oyster ponds. a		Water at canal.		Water at lower pond.		Water at Deep Point.		Water in the bay.	
				ature of air.	Temper- ature.	Density.	Temper- ature.	Density.	Temper- ature.	Density.	Temper- ature.	Density.	Temper- ature.	Density.	Temper- ature.	Density.
1885.				o	o		o		o		o		o		o	
May 1b																
May 2, 11 a. m.	Low	Clear	NW.	65	60	1.0094	60	1.0094	61	1.0094	59	1.0094	59	1.0098	61	1.0100
May 2, 4.30 p. m.	High	Clear	NW.	57	62	1.0093	60	1.0094	59	1.0093	59	1.0093	59	1.0096	59	1.0100
May 3, 11.30 a. m.	Low	Cloudy	SE.	60	62	1.0096	62	1.0092	62	1.0092	62	1.0093	62	1.0094	63	1.0100
May 3, 5 p. m.	High	Cloudy	SW.	58	62	1.0096	62	1.0094	62	1.0094	63	1.0094	63	1.0096	63	1.0100
May 4, 12 m.	Low	Clear	W.	70	62	1.0100	63	1.0094	62	1.0094	63	1.0094	62	1.0096	63	1.0100
May 4, 6 p. m.	High	Clear	NW.	60	62	1.0092	62	1.0094	63	1.0094	62	1.0094	62	1.0094	63	1.0098
May 5, 7 a. m.	High	Cloudy	SW.	65	63	1.0094	63	1.0094	63	1.0094	64	1.0095	64	1.0100	64	1.0100
May 5, 8 p. m.	Low	Clear	NW.	70	64	1.0094	64	1.0094	64	1.0094	63	1.0096	63	1.0100	63	1.0100
May 6, 8 a. m.	High	Cloudy	SW.	67	65	1.0095	65	1.0100	65	1.0100	65	1.0096	65	1.0100	65	1.0100
May 6, 2 p. m.	Low	Cloudy	SW.	63	66	1.0096	66	1.0098	66	1.0098	66	1.0100	66	1.0093	65	1.0100
May 7, 9 a. m.	High	Rain	SE.	68	67	1.0098	67	1.0094	66	1.0098	66	1.0096	66	1.0100	66	1.0100
May 7, 2.30 p. m.	Low	Rain	NW.	70	67	1.0098	67	1.0094	67	1.0094	67	1.0096	67	1.0093	67	1.0100
May 8, 10 a. m.	High	Cloudy	NW.	70	67	1.0094	68	1.0094	68	1.0094	68	1.0092	68	1.0096	68	1.0098
May 8, 3.30 p. m.	Low	Clear	NW.	65	68	1.0094	68	1.0094	68	1.0094	68	1.0096	68	1.0096	68	1.0098
May 9b																
May 10, 11 a. m.	High	Clear	E.	58	64	1.0098	64	1.0098	61	1.0098	61	1.0100	61	1.0102	64	1.0102
May 10, 4.30 p. m.	Low	Clear	E.	60	64	1.0096	64	1.0094	61	1.0094	61	1.0096	64	1.0096	64	1.0102
May 11, 11.30 a. m.	High	Clear	NW.	58	64	1.0100	64	1.0100	64	1.0100	64	1.0100	64	1.0102	64	1.0102
May 11, 5.15 p. m.	Low	Clear	SW.	60	67	1.0092	67	1.0094	67	1.0094	67	1.0094	67	1.0096	67	1.0096
May 12, 12 m.	High	Clear	SW.	59	64	1.0098	64	1.0098	61	1.0098	61	1.0098	61	1.0100	61	1.0102
May 12, 6 p. m.	Low	Cloudy	SW.	53	64	1.0100	64	1.0100	64	1.0100	64	1.0100	64	1.0100	64	1.0100
May 13, 12.30 p. m.	High	Rain	E.	57	58	1.0096	58	1.0096	58	1.0100	58	1.0100	56	1.0102	56	1.0102
May 13, 6.30 p. m.	Low	Rain	NE.	56	58	1.0096	58	1.0096	58	1.0096	56	1.0100	56	1.0100	56	1.0102
May 14, 7.30 a. m.	Low	Cloudy	NE.	60	65	1.0094	67	1.0074	67	1.0084	67	1.0094	65	1.0094	65	1.0096
May 14, 1.30 p. m.	High	Clear	NE.	64	65	1.0096	65	1.0090	65	1.0090	65	1.0090	65	1.0092	65	1.0096
May 15, 8.45 a. m.	Low	Clear	NE.	66	65	1.0096	65	1.0096	65	1.0096	65	1.0095	65	1.0098	65	1.0100
May 15, 2.30 p. m.	High	Clear	NE.	70	67	1.0094	67	1.0096	67	1.0096	68	1.0098	67	1.0098	67	1.0100
May 16, 10 a. m.	Low	Clear	E.	72	60	1.0094	65	1.0094	65	1.0090	65	1.0094	65	1.0096	65	1.0100
May 16, 4.30 p. m.	High	Clear	E.	75	65	1.0094	66	1.0094	66	1.0090	67	1.0092	65	1.0096	65	1.0098
May 17, 10.30 a. m.	Low	Cloudy	E.	58	69	1.0096	68	1.0088	68	1.0088	68	1.0090	68	1.0090	68	1.0090
May 17, 5 p. m.	High	Rain	E.	56	65	1.0096	65	1.0092	65	1.0092	65	1.0095	65	1.0096	65	1.0100
May 18, 11 a. m.	Low	Clear	NE.	70	64	1.0096	64	1.0092	61	1.0092	64	1.0092	64	1.0094	64	1.0093
May 18, 5.30 p. m.	High	Clear	NE.	70	68	1.0090	68	1.0092	68	1.0092	68	1.0094	68	1.0094	68	1.0094
May 19, 12 m.	Low	Clear	SW.	78	72	1.0082	72	1.0082	72	1.0080	72	1.0082	72	1.0084	72	1.0086
May 19, 6 p. m.	High	Clear	SW.	70	72	1.0086	72	1.0082	74	1.0082	74	1.0086	72	1.0086	72	1.0086
May 20, 1 p. m.	Low	Clear	SW.	78	72	1.0082	73	1.0082	73	1.0082	72	1.0084	72	1.0086	72	1.0086
May 20, 7 p. m.	High	Cloudy	SW.	72	72	1.0082	74	1.0082	74	1.0082	74	1.0082	74	1.0082	74	1.0082
May 21, 8 a. m.	High	Cloudy	SW.	78	77	1.0076	77	1.0080	77	1.0080	76	1.0084	74	1.0084	74	1.0084

May 21, 2 p. m.	Low	Rain	SW.	72	73	1.0080	74	1.0080	74	1.0080	74	1.0082	74	1.0082	74	1.0084
May 22, 9 a. m.	High	Rain	E.	72	72	1.0080	72	1.0080	72	1.0080	72	1.0082	72	1.0082	72	1.0082
May 22, 3 p. m.	Low	Rain	SE.	70	71	1.0082	71	1.0080	72	1.0080	72	1.0080	71	1.0082	71	1.0082
May 23, 10 a. m.	High	Clear	SW.	78	77	1.0080	77	1.0080	77	1.0080	76	1.0080	74	1.0080	78	1.0080
May 23, 4 p. m.	Low	Clear	SW.	72	74	1.0080	74	1.0080	74	1.0080	76	1.0080	77	1.0080	78	1.0080
May 24, 10.30 a. m.	High	Clear	E.	68	78	1.0088	78	1.0088	68	1.0086	67	1.0086	69	1.0088	69	1.0088
May 24, 4.30 p. m.	Low	Rain	SE.	65	69	1.0086	69	1.0086	69	1.0086	69	1.0086	69	1.0088	69	1.0088
May 25, 11 a. m.	High	Clear	E.	72	68	1.0088	68	1.0088	68	1.0084	68	1.0088	68	1.0084	66	1.0088
May 25, 5 p. m.	Low	Clear	SE.	75	68	1.0082	73	1.0084	73	1.0080	73	1.0080	73	1.0084	73	1.0084
May 26, 11.40 a. m.	High	Clear	NE.	80	75	1.0080	75	1.0080	75	1.0080	75	1.0080	75	1.0080	75	1.0080
May 26, 5.40 p. m.	Low	Cloudy	NE.	78	76	1.0080	76	1.0080	76	1.0080	76	1.0080	76	1.0080	76	1.0080
May 27, 12.20 p. m.	High	Rain	E.	76	73	1.0084	73	1.0084	73	1.0084	73	1.0082	73	1.0084	73	1.0084
May 27, 6.20 p. m.	Low	Rain	E.	72	73	1.0084	73	1.0082	73	1.0082	73	1.0082	73	1.0084	73	1.0084
May 28, 1 p. m.	High	Cloudy	NE.	75	73	1.0080	72	1.0080	72	1.0080	72	1.0080	72	1.0082	72	1.0082
May 28, 7 p. m.	Low	Cloudy	E.	72	72	1.0080	73	1.0080	73	1.0080	73	1.0080	73	1.0080	73	1.0080
May 29, 7.40 a. m.	Low	Rain	E.	66	66	1.0082	66	1.0084	66	1.0084	66	1.0084	66	1.0084	66	1.0084
May 29, 1.40 p. m.	High	Rain	E.	65	65	1.0082	65	1.0082	65	1.0082	65	1.0084	65	1.0084	65	1.0084
May 30, 8.30 a. m.	Low	Cloudy	E.	74	70	1.0082	70	1.0082	70	1.0080	70	1.0080	70	1.0082	70	1.0084
May 30, 2.30 p. m.	High	Cloudy	E.	72	70	1.0082	70	1.0082	70	1.0084	70	1.0082	70	1.0082	77	1.0084
May 31, 9.20 a. m.	Low	Cloudy	E.	76	76	1.0070	77	1.0070	77	1.0070	77	1.0066	79	1.0070	77	1.0070
May 31, 3.20 p. m.	High	Rain	E.	74	77	1.0070	77	1.0070	78	1.0070	79	1.0070	79	1.0070	79	1.0072
June 1, 10 a. m.	Low	Clear	NW.	76	76	1.0080	76	1.0082	76	1.0082	76	1.0074	76	1.0074	79	1.0074
June 1, 4 p. m.	High	Clear	NE.	74	76	1.0080	76	1.0080	77	1.0080	78	1.0080	77	1.0080	78	1.0080
June 2 ^b																
June 3, 10.30 a. m.	Low	Clear	SW.	80	77	1.0070	79	1.0070	79	1.0070	77	1.0070	79	1.0070	79	1.0072
June 3, 4.30 p. m.	High	Clear	SW.	76	78	1.0070	77	1.0070	77	1.0070	76	1.0070	75	1.0074	75	1.0074
June 4, 11.45 a. m.	Low	Clear	SW.	86	78	1.0068	78	1.0068	78	1.0068	80	1.0066	80	1.0068	77	1.0070
June 4, 5.45 p. m.	High	Clear	SW.	80	83	1.0060	82	1.0064	82	1.0064	82	1.0064	83	1.0060	83	1.0066
June 5, 1 p. m.	Low	Clear	SW.	80	82	1.0064	82	1.0064	84	1.0062	81	1.0070	80	1.0066	77	1.0074
June 5, 6.30 p. m.	High	Stormy	SW.	70	82	1.0064	82	1.0064	82	1.0064	81	1.0070	80	1.0070	77	1.0074
June 6, 1.45 p. m.	Low	Clear	E.	65	68	1.0080	66	1.0086	66	1.0086	67	1.0088	67	1.0092	66	1.0092
June 6, 7.15 p. m.	High	Clear	SW.	68	80	1.0066	80	1.0070	80	1.0070	80	1.0070	80	1.0070	80	1.0076
June 7, 8 a. m.	High	Clear	SW.	74	74	1.0080	74	1.0080	74	1.0080	73	1.0082	73	1.0086	73	1.0086
June 7, 2 p. m.	Low	Clear	SW.	78	78	1.0074	78	1.0074	78	1.0074	77	1.0074	77	1.0074	77	1.0082
June 8, 9 a. m.	High	Clear	SW.	74	76	1.0080	76	1.0080	77	1.0074	76	1.0080	76	1.0084	76	1.0088
June 8, 3 p. m.	Low	Rain	SW.	72	75	1.0074	75	1.0074	75	1.0070	77	1.0078	76	1.0080	74	1.0082
June 9, 10 a. m.	High	Clear	NW.	68	70	1.0084	70	1.0084	70	1.0084	71	1.0086	71	1.0092	71	1.0092
June 9, 4 p. m.	Low	Clear	NE.	72	77	1.0076	77	1.0076	78	1.0074	77	1.0076	76	1.0080	77	1.0080
June 10, 11 a. m.	High	Clear	SW.	70	73	1.0090	72	1.0090	74	1.0076	72	1.0090	72	1.0090	74	1.0088
June 10, 5 p. m.	Low	Clear	SW.	70	74	1.0084	74	1.0084	74	1.0086	73	1.0086	71	1.0090	71	1.0090
June 11, 12 m.	High	Clear	SE.	75	77	1.0082	77	1.0082	77	1.0082	75	1.0084	74	1.0086	75	1.0088
June 11, 6 p. m.	Low	Clear	SE.	72	78	1.0082	77	1.0080	77	1.0080	74	1.0086	76	1.0082	78	1.0084
June 12, 1 p. m.	High	Clear	SE.	76	79	1.0080	79	1.0080	79	1.0072	79	1.0084	83	1.0082	75	1.0084
June 12, 7 p. m.	Low	Clear	SE.	70	78	1.0080	78	1.0080	78	1.0080	71	1.0084	76	1.0084	75	1.0084
June 13, 8.15 a. m.	Low	Clear	E.	74	74	1.0088	74	1.0082	73	1.0082	73	1.0086	74	1.0088	73	1.0090
June 13, 2.30 p. m.	High	Clear	SE.	78	80	1.0080	79	1.0080	79	1.0080	79	1.0082	79	1.0082	79	1.0082
June 14, 9.15 a. m.	Low	Clear	SE.	80	80	1.0082	80	1.0080	84	1.0070	80	1.0086	83	1.0078	78	1.0090
June 14, 3.30 p. m.	High	Clear	SW.	87	78	1.0082	79	1.0080	79	1.0080	76	1.0086	80	1.0078	78	1.0090

^a This column represents the four ponds near the cottage. The density and temperature of the water in Pond 5 is found to be identical with those of the mouth of the lower large pond.

^b No record kept.

Table of temperatures, weather, and density of water at Saint Jerome Station from January 1, 1885, to June 30, 1885, inclusive—Continued.

Date.	State of tide.	State of weather.	Direction of wind.	Temperature of air.	Water at wharf.		Water of oyster ponds. ^a		Water at canal.		Water at lower pond.		Water at Deep Point.		Water in the bay.	
					Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.
1885.																
June 15, 10.15 a.m.	Low	Clear	W.	68	86	1.0076	86	1.0076	88	1.0076	87	1.0076	87	1.0072	86	1.0080
June 15, 4.30 p.m.	High	Clear	SE.	86	85	1.0076	85	1.0078	85	1.0078	85	1.0084	81	1.0082	84	1.0072
June 16, 11 a.m.	Low	Clear	SE.	89	88	1.0080	89	1.0082	89	1.0072	89	1.0072	89	1.0082	89	1.0072
June 16, 5.15 p.m.	High	Clear	SE.	86	85	1.0080	89	1.0086	87	1.0072	84	1.0084	84	1.0086	86	1.0084
June 17, 12 m.	Low	Rain	N.	75	72	1.0094	72	1.0076	71	1.0092	74	1.0096	74	1.0094	75	1.0104
June 17, 6 p.m.	High	Clear	N.	75	77	1.0088	79	1.0084	79	1.0084	75	1.0094	75	1.0094	75	1.0094
June 18, 7 a.m.	High	Clear	SE.	70	70	1.0102	70	1.0080	70	1.0102	71	1.0100	70	1.0102	70	1.0100
June 18, 1 p.m.	Low	Clear	SE.	75	70	1.0102	70	1.0102	70	1.0102	70	1.0102	70	1.0102	70	1.0102
June 19, 8 a.m.	High	Clear	S.	75	75	1.0094	74	1.0094	75	1.0094	76	1.0092	78	1.0090	76	1.0094
June 19, 2 p.m.	Low	Clear	S.	80	82	1.0082	82	1.0082	82	1.0082	81	1.0084	81	1.0084	86	1.0080
June 20, 8.30 a.m.	High	Clear	SE.	75	77	1.0094	78	1.0090	78	1.0090	77	1.0094	78	1.0092	78	1.0090
June 20, 2.30 p.m.	Low	Clear	SE.	82	79	1.0090	79	1.0090	79	1.0090	80	1.0090	77	1.0092	77	1.0094
June 21, 9.10 a.m.	High	Clear	SW.	78	75	1.0094	75	1.0092	75	1.0092	76	1.0092	76	1.0090	74	1.0094
June 21, 3 p.m.	Low	Clear	SW.	80	83	1.0086	83	1.0076	80	1.0086	83	1.0084	82	1.0086	82	1.0086
June 22, 10 a.m.	High	Clear	NW.	79	77	1.0092	77	1.0090	77	1.0090	77	1.0090	77	1.0094	77	1.0094
June 22, 3.45 p.m.	Low	Rain	NW.	83	83	1.0086	83	1.0086	83	1.0086	82	1.0088	80	1.0088	79	1.0090
June 23, 11 a.m.	High	Clear	NW.	65	68	1.0100	70	1.0088	73	1.0088	71	1.0104	74	1.0100	71	1.0104
June 23, 5 p.m.	Low	Clear	NW.	65	70	1.0100	77	1.0098	76	1.0098	70	1.0100	73	1.0100	70	1.0100
June 24, 12 m.	High	Clear	W.	70	70	1.0106	70	1.0094	70	1.0104	74	1.0100	74	1.0098	78	1.0094
June 24, 6 p.m.	Low	Clear	W.	70	72	1.0104	76	1.0086	74	1.0102	72	1.0106	72	1.0106	74	1.0104
June 25, 1 p.m.	High	Rain	SE.	70	72	1.0098	74	1.0068	74	1.0088	72	1.0100	73	1.0100	73	1.0096
June 25, 7 p.m.	Low	Cloudy	SE.	70	70	1.0100	72	1.0072	73	1.0100	70	1.0100	67	1.0102	72	1.0102
June 26, 8 a.m.	Low	Cloudy	SE.	73	74	1.0100	74	1.0084	74	1.0090	72	1.0102	74	1.0094	75	1.0094
June 26, 2 p.m.	High	Cloudy	SE.	77	76	1.0094	76	1.0080	76	1.0094	78	1.0094	77	1.0092	80	1.0094
June 27, 8.30 a.m.	Low	Rain	SE.	78	78	1.0094	77	1.0084	77	1.0094	76	1.0098	76	1.0098	78	1.0094
June 27, 2.30 p.m.	High	Clear	SE.	80	78	1.0096	79	1.0090	73	1.0096	78	1.0098	78	1.0100	78	1.0100
June 28, 9 a.m.	Low	Clear	W.	80	81	1.0088	84	1.0070	81	1.0086	81	1.0086	81	1.0088	81	1.0088
June 28, 3 p.m.	High	Rain	NW.	80	82	1.0086	78	1.0080	82	1.0080	81	1.0088	81	1.0088	81	1.0088
June 29, 9.30 a.m.	Low	Clear	W.	78	79	1.0094	82	1.0080	80	1.0088	78	1.0094	77	1.0094	80	1.0094
June 29, 3.30 p.m.	High	Clear	NW.	82	74	1.0102	79	1.0074	78	1.0096	76	1.0096	77	1.0094	76	1.0098
June 30, 10 a.m.	Low	Clear	NW.	65	77	1.0092	75	1.0082	74	1.0100	74	1.0100	74	1.0100	74	1.0100
June 30, 4 p.m.	High	Clear	NW.	72	72	1.0092	72	1.0082	73	1.0092	72	1.0092	72	1.0092	72	1.0092

^a This column represents the four ponds near the cottage. The density and temperature of the water in Pond 5 is found to be identical with those of the mouth of the lower large pond.

Table of temperatures, weather, and density of water at Saint Jerome Station from July 1, 1885, to October 31, 1885, inclusive.

NOTE.—From July 1 to September 10, inclusive, Salinometer No. 5317 was used except as indicated by the asterisk, when No. 5319 was used. From September 11 to October 31, inclusive, Salinometer No. 5319 was used except as indicated by the asterisk, when No. 5317 was used.

Date.	State of tide.	State of weather.	Direction of wind.	Temperature of air.		Water at wharf.		Water at oyster ponds I, II, III.		Water at oyster pond IV.		Water at canal.		Water at lower pond.		Water at Deep Point.		Water in the bay.		
				Tem- perature.	Density.	Tem- perature.	Density.	Tem- perature.	Density.	Tem- perature.	Density.	Tem- perature.	Density.	Tem- perature.	Density.	Tem- perature.	Density.	Tem- perature.	Density.	Tem- perature.
1885.				°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
July 1, 11 a. m.	Low	Clear	NW.	75	70	1.0100	70	1.0100	74	1.0081	70	1.0100	70	1.0100	70	1.0100	70	1.0100	70	1.0100
July 1, 5 p. m.	High	Clear	NW.	75	70	1.0100	72	1.0094	73	1.0081	72	1.0098	72	1.0098	72	1.0098	72	1.0098	72	1.0100
July 2, 12 m.	Low	Cloudy	SW.	70	70	1.0100	75	1.0094	75	1.0084	77	1.0084	77	1.0084	77	1.0100	75	1.0100	75	1.0094
July 2, 6 p. m.	High	Rain	SW.	78	77	1.0104	73	1.0094	74	1.0088	74	1.0104	74	1.0098	72	1.0098	74	1.0104	74	1.0104
July 3, 7 a. m.	High	Clear	SW.	75	72	1.0102	71	1.0094	70	1.0088	72	1.0104	72	1.0102	72	1.0102	71	1.0104	71	1.0104
July 3, 1 p. m.	Low	Clear	SW.	80	77	1.0096	78	1.0092	79	1.0088	78	1.0096	77	1.0100	77	1.0094	78	1.0096	78	1.0096
July 4, 8 a. m.	High	Cloudy	SW.	78	80	1.0104	75	1.0104	75	1.0088	75	1.0084	75	1.0104	75	1.0106	75	1.0106	75	1.0104
July 4, 2 p. m.	Low	Clear	SW.	81	75	1.0090	80	1.0090	84	1.0078	84	1.0090	80	1.0090	80	1.0090	85	1.0090	85	1.0090
July 5, 9 a. m.	High	Cloudy	SW.	78	79	1.0096	79	1.0092	79	1.0086	78	1.0096	78	1.0096	78	1.0098	79	1.0098	79	1.0098
July 5, 2.30 p. m.	Low	Rain	S.	78	83	1.0088	83	1.0082	85	1.0070	83	1.0078	83	1.0086	83	1.0086	83	1.0088	85	1.0088
July 6, 9.30 a. m.	High	Clear	S.	78	80	1.0099	79	1.0094	81	1.0082	80	1.0080	80	1.0090	80	1.0090	83	1.0092	83	1.0092
July 6, 3 p. m.	Low	Clear	S.	80	80	1.0088	85	1.0082	83	1.0070	83	1.0088	83	1.0086	83	1.0086	83	1.0088	83	1.0088
July 7, 10 a. m.	High	Clear	SE.	80	81	1.0090	82	1.0084	82	1.0070	82	1.0080	82	1.0090	81	1.0088	81	1.0088	82	1.0090
July 7, 3.30 p. m.	Low	Clear	E.	84	82	1.0090	81	1.0090	82	1.0080	84	1.0088	87	1.0090	85	1.0090	82	1.0090	82	1.0090
July 8, 10.30 a. m.	High	Clear	NE.	82	83	1.0092	84	1.0090	84	1.0078	83	1.0088	84	1.0090	83	1.0092	81	1.0096	81	1.0096
July 8, 4 p. m.	Low	Clear	NE.	86	86	1.0084	86	1.0082	86	1.0082	87	1.0070	83	1.0092	85	1.0086	86	1.0086	84	1.0090
July 9, 11 a. m.	High	Clear	W.	90	83	1.0088	80	1.0082	87	1.0070	83	1.0082	85	1.0086	86	1.0086	84	1.0086	84	1.0090
July 9, 5 p. m.	Low	Clear	W.	92	88	1.0084	86	1.0082	86	1.0070	86	1.0088	83	1.0088	84	1.0088	84	1.0088	84	1.0090
July 10, 12 m.	High	Cloudy	SW.	90	85	1.0090	85	1.0082	84	1.0072	86	1.0090	83	1.0090	83	1.0092	83	1.0092	83	1.0090
July 10, 6 p. m.	Low	Rain	SW.	84	86	1.0092	84	1.0088	82	1.0078	84	1.0094	82	1.0092	83	1.0092	83	1.0092	83	1.0090
July 11, 7 a. m.	Low	Cloudy	NE.	75	75	1.0102	76	1.0098	76	1.0090	76	1.0100	77	1.0100	75	1.0102	74	1.0102	74	1.0102
July 11, 1 p. m.	High	Cloudy	NE.	80	80	1.0100	78	1.0096	78	1.0090	78	1.0096	78	1.0096	78	1.0096	78	1.0096	78	1.0102
July 12, 8 a. m.	Low	Clear	SE.	75	78	1.0098	78	1.0092	78	1.0088	78	1.0098	78	1.0100	78	1.0102	78	1.0102	78	1.0102
July 12, 2 p. m.	High	Clear	SE.	80	78	1.0096	79	1.0090	79	1.0086	79	1.0096	79	1.0096	79	1.0100	78	1.0102	78	1.0102
July 13, 9 a. m.	Low	Cloudy	E.	75	75	1.0106	75	1.0100	78	1.0095	75	1.0102	74	1.0106	75	1.0100	76	1.0104	76	1.0104
July 13, 3 p. m.	High	Cloudy	E.	78	76	1.0104	76	1.0098	76	1.0096	77	1.0102	77	1.0102	76	1.0104	76	1.0104	76	1.0104
July 14, 10 a. m.	Low	Clear	W.	75	78	1.0090	80	1.0088	80	1.0084	78	1.0086	78	1.0100	78	1.0100	80	1.0096	80	1.0096
July 14, 4 p. m.	High	Clear	W.	78	83	1.0092	82	1.0092	81	1.0086	82	1.0090	81	1.0094	81	1.0090	80	1.0094	80	1.0094
July 15, 11 a. m.	Low	Clear	E.	84	83	1.0090	83	1.0092	83	1.0088	83	1.0096	82	1.0092	80	1.0094	80	1.0094	84	1.0088
July 15, 5 p. m.	High	Clear	E.	80	83	1.0092	83	1.0086	84	1.0086	82	1.0092	80	1.0094	80	1.0094	84	1.0088	84	1.0088
July 16, 11.45 a. m.	Low	Clear	S.	86	83	1.0090	82	1.0092	83	1.0088	83	1.0096	83	1.0096	83	1.0096	83	1.0096	83	1.0096
July 16, 5.30 p. m.	High	Clear	S.	81	85	1.0088	87	1.0082	87	1.0072	86	1.0084	85	1.0088	85	1.0088	88	1.0086	88	1.0086
July 17, 12.30 p. m.	Low	Clear	SW.	96	85	1.0066	87	1.0090	87	1.0084	86	1.0090	85	1.0090	85	1.0092	88	1.0092	88	1.0092
July 17, 6.30 p. m.	High	Clear	SW.	86	83	1.0092	83	1.0088	83	1.0088	82	1.0092	87	1.0096	82	1.0096	84	1.0094	84	1.0094
July 18, 7.30 a. m.	High	Clear	S.	83	83	1.0092	83	1.0088	83	1.0088	82	1.0090	82	1.0090	82	1.0094	92	1.0094	92	1.0094
July 18, 1.30 p. m.	Low	Clear	SE.	94	92	1.0070	87	1.0084	92	1.0076	88	1.0094	88	1.0082	88	1.0082	95	1.0076	95	1.0076

Table of temperatures, weather, and density of water at Saint Jerome Station from July 1, 1885, to October 31, 1885, inclusive—Continued.

Date.	State of tide.	State of weather.	Direction of wind.	Temperature of air.	Water at wharf.		Water at oyster ponds I, II, III.		Water at oyster pond IV.		Water at canal.		Water at lower pond.		Water at Deep Point.		Water in the bay.		
					Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.
1885.				°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
July 19, 8.30 a. m.	High	Clear	SW.	89	88	1.0088	89	1.0082	89	1.0082	87	1.0090	87	1.0090	87	1.0090	87	1.0090	87
July 19, 2.30 p. m.	Low	Cloudy	SW.	90	87	1.0090	89	1.0082	87	1.0082	89	1.0090	87	1.0090	87	1.0090	87	1.0090	87
July 20, 9.15 a. m.	High	Clear	SW.	85	87	1.0100	84	1.0090	82	1.0090	85	1.0094	83	1.0098	81	1.0096	83	1.0096	83
July 20, 3.15 p. m.	Low	Clear	SW.	88	86	1.0090	87	1.0086	87	1.0080	86	1.0092	87	1.0086	87	1.0090	87	1.0092	87
July 21, 10 a. m.	High	Clear	SW.	89	88	1.0090	87	1.0088	87	1.0084	86	1.0086	87	1.0086	87	1.0090	87	1.0088	87
July 21, 4 p. m.	Low	Clear	SW.	86	87	1.0070	91	1.0082	90	1.0076	89	1.0090	89	1.0090	89	1.0090	89	1.0090	89
July 22, 11 a. m.	High	Clear	SE.	89	90	1.0082	93	1.0074	93	1.0072	89	1.0088	90	1.0088	90	1.0084	93	1.0090	90
July 22, 4.45 p. m.	Low	Cloudy	S.	89	90	1.0080	90	1.0080	91	1.0072	88	1.0090	89	1.0090	86	1.0092	89	1.0084	89
July 23, 12 m.	High	Cloudy	SE.	86	86	1.0090	86	1.0086	86	1.0076	85	1.0092	85	1.0092	85	1.0092	86	1.0096	86
July 23, 5.45 p. m.	Low	Cloudy	SE.	85	85	1.0100	86	1.0092	85	1.0090	84	1.0100	84	1.0098	83	1.0098	86	1.0104	86
July 24, 12.45 p. m.	High	Clear	SE.	87	87	1.0090	88	1.0090	83	1.0086	85	1.0096	86	1.0096	85	1.0096	88	1.0090	88
July 24, 6.45 p. m.	Low	Clear	SE.	85	89	1.0090	86	1.0098	88	1.0092	86	1.0094	87	1.0092	89	1.0092	87	1.0094	87
July 25, 7.45 a. m.	Low	Clear	SW.	85	85	1.0094	86	1.0092	85	1.0090	85	1.0096	87	1.0094	84	1.0096	86	1.0096	86
July 25, 1.45 p. m.	High	Cloudy	SW.	90	89	1.0088	89	1.0086	91	1.0080	89	1.0088	89	1.0088	88	1.0090	90	1.0090	90
July 26, 8.45 a. m.	Low	Cloudy	SW.	90	85	1.0084	85	1.0092	86	1.0090	85	1.0096	86	1.0094	87	1.0096	88	1.0096	88
July 26, 2.30 p. m.	High	Rain	SW.	90	92	1.0084	92	1.0082	93	1.0082	91	1.0090	93	1.0082	93	1.0082	91	1.0084	91
July 27, 9.30 a. m.	Low	Cloudy	SE.	78	83	1.0084	84	1.0082	83	1.0082	84	1.0090	83	1.0082	83	1.0082	82	1.0092	82
July 27, 3.30 p. m.	High	Rain	E.	80	83	1.0092	83	1.0090	83	1.0086	82	1.0090	83	1.0094	84	1.0096	83	1.0098	83
July 28, 10.15 a. m.	Low	Clear	SE.	84	82	1.0094	84	1.0094	82	1.0094	84	1.0094	83	1.0094	83	1.0094	83	1.0092	83
July 28, 4.15 p. m.	High	Cloudy	SE.	85	85	1.0090	86	1.0092	86	1.0090	84	1.0094	83	1.0094	83	1.0094	83	1.0094	83
July 29, 11 a. m.	Low	Cloudy	SE.	84	78	1.0100	79	1.0100	78	1.0094	89	1.0096	78	1.0100	78	1.0098	78	1.0100	78
July 29, 5 p. m.	High	Rain	SW.	84	84	1.0094	83	1.0092	84	1.0094	83	1.0100	83	1.0100	82	1.0102	84	1.0100	84
July 30, 12 m.	Low	Clear	E.	84	82	1.0092	85	1.0094	84	1.0094	85	1.0094	85	1.0094	85	1.0094	87	1.0092	87
July 30, 6 p. m.	High	Clear	E.	81	84	1.0094	84	1.0096	84	1.0094	85	1.0092	83	1.0094	83	1.0096	83	1.0096	83
July 31, 12.30 p. m.	Low	Clear	E.	85	83	1.0096	84	1.0094	85	1.0092	83	1.0096	86	1.0092	87	1.0090	89	1.0082	89
July 31, 6.30 p. m.	High	Clear	E.	85	87	1.0088	87	1.0092	87	1.0092	85	1.0094	86	1.0090	85	1.0090	85	1.0096	85
August 1, 1 p. m.	Low	Cloudy	E.	87	86	1.0092	87	1.0090	88	1.0092	86	1.0092	85	1.0092	85	1.0092	89	1.0090	89
August 1, 7 p. m.	High	Cloudy	E.	85	85	1.0094	87	1.0096	86	1.0092	84	1.0092	84	1.0090	83	1.0088	86	1.0090	86
August 2, 7.30 a. m.	High	Clear	SW.	85	85	1.0090	86	1.0094	86	1.0092	87	1.0094	84	1.0090	85	1.0094	87	1.0094	87
August 2, 1.30 p. m.	Low	Clear	W.	85	85	1.0094	86	1.0096	86	1.0092	87	1.0092	87	1.0090	85	1.0094	87	1.0094	87
August 3, 8 a. m.	High	Cloudy	SE.	82	85	1.0100	85	1.0100	86	1.0102	86	1.0100	84	1.0102	84	1.0104	84	1.0104	84
August 3, 2 p. m.	Low	Rain	SW.	85	82	1.0094	83	1.0096	83	1.0094	82	1.0094	82	1.0100	82	1.0100	82	1.0100	82
August 4, 8.30 a. m.	High	Clear	NW.	82	76	1.0106	76	1.0106	76	1.0106	77	1.0104	76	1.0106	78	1.0100	80	1.0100	80
August 4, 2.30 p. m.	Low	Clear	W.	82	84	1.0094	83	1.0100	84	1.0094	82	1.0098	83	1.0100	84	1.0100	84	1.0100	84
August 5, 9 a. m.	High	Clear	NW.	84	81	1.0098	81	1.0098	80	1.0100	89	1.0104	81	1.0102	82	1.0104	76	1.0110	76
August 5, 3 p. m.	Low	Clear	NW.	85	86	1.0094	87	1.0098	87	1.0098	85	1.0098	85	1.0098	83	1.0096	84	1.0096	84
August 6, 9.30 a. m.	High	Clear	NE.	71	82	1.0098	79	1.0100	80	1.0100	79	1.0102	82	1.0100	80	1.0106	79	1.0102	79
August 6, 3.30 p. m.	Low	Clear	NE.	74	79	1.0108	82	1.0104	82	1.0100	82	1.0106	78	1.0108	78	1.0110	80	1.0108	80
August 7, 10 a. m.	High	Rain	NE.	74	74	1.0118	74	1.0110	73	1.0108	76	1.0110	74	1.0116	74	1.0116	74	1.0118	74

August 7, 4 p. m.	Low	Rain	NE	74	74	1.0114	74	1.0110	76	1.0114	74	1.0112	74	1.0114	74	1.0114	74	1.0110
August 8, 11 a. m.	High	Rain	E	78	77	1.0110	74	1.0114	74	1.0104	74	1.0106	76	1.0110	74	1.0106	74	1.0110
August 8, 5 p. m.	Low	Cloudy	E	77	74	1.0110	75	1.0110	75	1.0110	74	1.0113	74	1.0112	74	1.0112	74	1.0110
August 9, 11.30 a. m.	High	Clear	SE	82	80	1.0109	77	1.0100	71	1.0100	79	1.0106	79	1.0110	79	1.0110	78	1.0112
August 9, 5.30 p. m.	Low	Clear	SE	80	81	1.0098	82	1.0092	82	1.0098	83	1.0093	80	1.0104	78	1.0110	82	1.0098
August 10, 12 m.	High	Clear	SE	83	80	1.0106	84	1.0092	83	1.0096	83	1.0096	84	1.0106	83	1.0104	83	1.0096
August 10, 6 p. m.	Low	Clear	SE	81	81	1.0093	83	1.0092	82	1.0093	82	1.0093	82	1.0104	78	1.0110	82	1.0098
August 11, 7 a. m.	Low	Clear	SE	80	85	1.0094	87	1.0090	83	1.0100	85	1.0096	85	1.0094	81	1.0092	84	1.0100
August 11, 1 p. m.	High	Clear	SW	84	85	1.0092	83	1.0100	83	1.0100	84	1.0093	83	1.0102	84	1.0094	86	1.0096
August 12, 8 a. m.	Low	Clear	SE	80	83	1.0093	83	1.0092	84	1.0090	82	1.0092	82	1.0096	82	1.0102	87	1.0090
August 12, 2.15 p. m.	High	Clear	SE	84	86	1.0090	87	1.0094	85	1.0092	87	1.0090	85	1.0094	84	1.0093	87	1.0096
August 13, 9 a. m.	Low	Clear	SW	85	84	1.0100	84	1.0098	84	1.0084	84	1.0090	85	1.0094	84	1.0098	86	1.0096
August 13, 3.30 p. m.	High	Cloudy	W	86	88	1.0092	88	1.0090	87	1.0088	88	1.0090	87	1.0090	88	1.0094	87	1.0094
August 14, 10.30 a. m.	Low	Clear	SE	84	84	1.0096	84	1.0096	84	1.0088	84	1.0096	82	1.0100	81	1.0102	86	1.0094
August 14, 5 p. m.	High	Cloudy	SE	86	84	1.0096	84	1.0096	82	1.0090	83	1.0094	82	1.0098	82	1.0098	87	1.0094
August 15, 11 a. m.	Low	Clear	NE	76	75	1.0110	77	1.0102	75	1.0106	76	*1.0112	76	*1.0110	75	*1.0112	78	*1.0112
August 15, 5.30 p. m.	High	Clear	NE	72	75	*1.0112	76	*1.0164	74	*1.0108	75	*1.0112	76	*1.0112	74	*1.0114	74	*1.0114
August 16, 12 m.	Low	Clear	SE	78	74	1.0110	75	1.0104	75	1.0110	75	1.0110	74	1.0110	74	1.0110	75	1.0110
August 16, 6 p. m.	High	Clear	SE	78	77	1.0110	76	1.0104	76	1.0106	77	1.0110	77	1.0110	77	1.0106	81	1.0102
August 17, 7 a. m.	High	Clear	SE	78	74	1.0110	75	1.0164	75	1.0110	74	1.0110	74	1.0110	75	1.0110	75	1.0110
August 17, 1 p. m.	Low	Clear	SE	77	77	1.0110	76	1.0104	76	1.0106	77	1.0110	77	1.0110	77	1.0110	78	1.0102
August 18 a.																		
August 19, 8.30 a. m.	High	Clear	NW	78	77	1.0110	76	1.0106	76	1.0110	77	1.0102	77	1.0110	77	1.0110	81	*1.0112
August 19, 2.30 p. m.	Low	Cloudy	NW	76	74	1.0104	75	1.0106	75	1.0110	74	1.0110	74	1.0110	75	1.0102	75	1.0102
August 20, 9.30 a. m.	High	Clear	NE	78	75	1.0110	76	1.0098	76	1.0110	76	1.0110	76	1.0110	76	1.0110	77	1.0108
August 20, 3.30 p. m.	Low	Clear	SW	80	82	1.0102	82	1.0104	82	1.0100	82	1.0092	82	1.0106	81	1.0104	83	1.0098
August 21, 10.30 a. m.	High	Clear	SE	80	80	1.0100	80	1.0106	80	1.0106	81	1.0100	81	1.0102	81	1.0104	83	1.0100
August 21, 4.30 p. m.	Low	Clear	SE	78	80	1.0100	80	1.0106	80	1.0106	80	1.0100	80	1.0102	81	1.0104	83	1.0100
August 22, 11 a. m.	High	Clear	W	85	86	1.0098	86	1.0100	86	1.0092	86	1.0098	85	1.0092	86	1.0092	88	1.0093
August 22, 5 p. m.	Low	Clear	SE	80	85	1.0100	84	1.0098	85	1.0098	85	1.0100	86	1.0100	86	1.0100	84	1.0104
August 23, 12 m.	High	Clear	SE	88	86	1.0098	86	1.0098	84	1.0102	85	1.0100	85	1.0100	85	1.0102	88	1.0094
August 23, 6 p. m.	Low	Cloudy	SE	84	85	1.0100	86	1.0098	86	1.0098	86	1.0098	86	1.0098	85	1.0100	84	1.0102
August 24, 7.30 a. m.	Low	Clear	W	90	87	1.0100	87	1.0098	87	1.0098	86	1.0096	89	1.0096	87	1.0100	87	1.0100
August 24, 1.30 p. m.	High	Clear	SW	94	83	1.0106	83	1.0100	83	1.0100	83	1.0104	85	1.0100	82	1.0102	83	1.0100
August 25, 8.30 a. m.	Low	Clear	W	88	86	1.0098	85	1.0090	86	1.0100	88	1.0098	86	1.0098	85	1.0098	86	1.0100
August 25, 2.30 p. m.	High	Clear	W	90	88	1.0096	87	1.0096	88	1.0096	88	1.0094	88	1.0096	87	1.0096	88	1.0096
August 26, 9 a. m.	Low	Clear	NW	66	72	*1.0120	74	*1.0100	74	*1.0120	74	*1.0112	71	*1.0122	71	*1.0120	73	*1.0110
August 26, 3 p. m.	High	Clear	NW	69	72	*1.0120	74	*1.0100	74	*1.0120	71	*1.0112	74	*1.0122	71	*1.0120	73	*1.0110
August 27, 9.45 a. m.	Low	Clear	SE	69	71	*1.0126	72	*1.0124	69	*1.0126	69	*1.0120	70	*1.0122	70	*1.0124	73	*1.0128
August 27, 3.45 p. m.	High	Clear	SE	70	72	*1.0118	74	*1.0120	74	*1.0116	72	*1.0118	74	*1.0118	74	*1.0118	76	*1.0110
August 28, 10.15 a. m.	Low	Clear	SE	73	75	*1.0114	75	*1.0120	76	*1.0118	76	*1.0118	76	*1.0118	76	*1.0114	77	*1.0112
August 28, 4 p. m.	High	Clear	SE	76	75	*1.0120	75	*1.0120	75	*1.0122	77	*1.0116	74	*1.0120	74	*1.0118	78	*1.0110
August 29, 10.30 a. m.	Low	Clear	W	78	73	*1.0120	74	*1.0124	74	*1.0124	73	*1.0120	72	*1.0124	72	*1.0122	71	*1.0116
August 29, 4.30 p. m.	High	Clear	SW	77	73	*1.0120	74	*1.0124	74	*1.0124	73	*1.0120	72	*1.0120	72	*1.0122	71	*1.0116
August 30, 11 a. m.	Low	Cloudy	SW	80	78	1.0110	77	*1.0114	77	1.0098	76	*1.0114	78	1.0110	77	1.0108	78	1.0104
August 30, 5 p. m.	High	Rain	SW	76	78	1.0110	78	*1.0114	77	1.0098	78	*1.0114	77	1.0110	78	1.0108	78	1.0104
August 31, 12 m.	Low	Cloudy	SE	78	79	1.0108	79	1.0108	79	1.0110	78	1.0108	77	1.0104	77	1.0104	83	1.0102
August 31, 6 p. m.	High	Clear	E	78	79	1.0108	78	1.0110	78	1.0108	78	1.0108	78	1.0104	77	1.0104	83	1.0102
September 1, 1 p. m.	Low	Clear	E	80	81	1.0108	81	1.0106	81	1.0106	81	1.0108	81	1.0108	85	1.0102	85	1.0096
September 1, 7 p. m.	High	Clear	SE	76	80	1.0108	80	1.0106	80	1.0106	80	1.0102	80	1.0106	80	1.0100	81	1.0108

a No record kept.

Z. MRS. 70-12

Table of temperatures, weather, and density of water at Saint Jerome Station from July 1, 1885, to October 31, 1885, inclusive—Continued.

Date.	State of tide.	State of weather.	Direction of wind.	Temperature of air.	Water at wharf.		Water at oyster ponds I, II, III.		Water at oyster pond IV.		Water at canal.		Water at lower pond.		Water at Deep Point.		Water in the bay.	
					Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.
1885.				°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
September 2, 8 a. m.	High	Clear	NW	66	70	*1.0120	74	*1.0114	73	*1.0114	70	*1.0120	70	*1.0120	71	*1.0120	71	*1.0120
September 2, 2 p. m.	Low	Clear	NW	70	70	*1.0120	74	*1.0100	73	*1.0114	70	*1.0112	71	*1.0114	71	*1.0120	71	*1.0120
September 3, 9 a. m.	High	Clear	SW	67	72	*1.0114	71	*1.0102	71	*1.0122	72	*1.0114	70	*1.0118	71	*1.0120	70	*1.0118
September 3, 3 p. m.	Low	Clear	SW	69	74	*1.0118	75	*1.0112	75	*1.0112	75	*1.0114	72	*1.0120	73	*1.0120	75	*1.0114
September 4, 10 a. m.	High	Clear	SW	80	77	*1.0116	80	1.0098	77	*1.0112	77	*1.0112	78	*1.0110	75	*1.0110	79	*1.0108
September 4, 4 p. m.	Low	Clear	SW	80	79	*1.0112	80	1.0098	78	*1.0110	78	*1.0110	78	*1.0112	77	*1.0112	80	*1.0112
September 5, 10.30 a. m.	High	Clear	SW	80	77	*1.0110	76	1.0100	77	*1.0110	76	*1.0110	77	*1.0110	77	*1.0108	78	*1.0108
September 5, 4.30 p. m.	Low	Stormy	NW	76	77	*1.0110	77	1.0100	77	*1.0110	77	*1.0110	77	*1.0110	77	*1.0108	78	*1.0108
September 6, 11 a. m.	High	Clear	NE	70	67	*1.0108	70	1.0100	67	*1.0108	70	*1.0116	74	*1.0110	70	*1.0120	70	*1.0120
September 6, 5 p. m.	Low	Clear	NE	66	67	*1.0108	70	*1.0108	70	*1.0118	74	*1.0116	70	*1.0118	70	*1.0120	70	*1.0120
September 7, 11.30 a. m.	High	Clear	SE	68	73	*1.0116	74	1.0098	72	*1.0116	72	*1.0116	72	*1.0114	72	*1.0114	74	*1.0110
September 7, 5 p. m.	Low	Clear	SE	66	73	*1.0116	74	1.0098	72	*1.0116	72	*1.0116	72	*1.0114	72	*1.0114	74	*1.0110
September 8, 12 m.	High	Clear	SE	78	75	*1.0112	74	1.0100	72	*1.0112	72	*1.0112	73	*1.0112	73	*1.0112	75	*1.0112
September 8, 6 p. m.	Low	Clear	SE	69	73	*1.0114	75	1.0096	75	*1.0114	73	*1.0114	72	*1.0114	72	*1.0112	72	*1.0112
September 9, 1 p. m.	High	Cloudy	W	85	88	1.0090	85	1.0078	83	1.0100	83	1.0100	80	*1.0104	81	*1.0102	81	*1.0102
September 9, 7 p. m.	Low	Cloudy	W	89	80	1.0104	84	1.0090	82	*1.0104	82	*1.0104	80	*1.0104	81	*1.0106	78	*1.0108
September 10, 8 a. m.	Low	Clear	NE	76	75	1.0100	75	1.0098	75	1.0100	75	1.0100	76	*1.0114	76	*1.0114	76	*1.0110
September 10, 2 p. m.	High	Cloudy	NE	73	74	*1.0116	76	1.0098	76	*1.0112	75	*1.0114	74	*1.0114	76	*1.0114	76	*1.0114
September 11, 9 a. m.	Low	Clear	NE	66	69	1.0122	70	1.0102	70	1.0116	70	1.0116	70	1.0112	70	1.0120	70	1.0122
September 11, 2.30 p. m.	High	Clear	NE	70	70	1.0122	70	1.0102	70	1.0116	70	1.0116	70	1.0120	70	1.0120	70	1.0120
September 12, 0.45 a. m.	Low	Clear	E	70	72	1.0120	72	1.0108	72	1.0108	71	1.0120	71	1.0120	71	1.0116	74	1.0116
September 12, 3.15 p. m.	High	Clear	E	72	73	1.0116	73	1.0108	76	1.0116	73	1.0116	72	1.0116	72	1.0116	75	1.0116
Sept. 13, 10.45 a. m.	Low	Clear	NE	79	71	1.0110	71	1.0120	71	1.0120	71	1.0120	72	1.0120	72	1.0120	72	1.0120
September 13, 4 p. m.	High	Clear	SE	78	71	1.0110	76	1.0108	71	1.0110	71	1.0120	71	1.0120	71	1.0120	72	1.0120
Sept. 14, 11.45 a. m.	Low	Clear	SE	80	78	1.0114	81	1.0108	81	1.0108	78	1.0110	78	1.0110	78	1.0110	80	1.0110
September 14, 4.50 p. m.	High	Clear	SE	82	78	1.0114	80	1.0108	80	1.0108	80	1.0110	80	1.0110	81	1.0110	82	1.0110
Sept. 15, 12.45 p. m.	Low	Clear	SE	86	80	1.0110	80	1.0112	79	1.0112	79	1.0112	80	1.0112	80	1.0110	81	1.0110
September 15, 6 p. m.	High	Clear	SE	80	80	1.0110	79	1.0112	79	1.0112	79	1.0112	79	1.0112	80	1.0110	82	1.0110
September 16, 7 a. m.	High	Clear	NE	78	76	1.0114	77	1.0112	77	1.0112	76	1.0116	71	1.0116	76	1.0116	76	1.0116
September 16, 2 p. m.	Low	Clear	NE	85	76	1.0114	77	1.0112	77	1.0112	76	1.0116	76	1.0110	79	1.0116	76	1.0116
September 17, 8 a. m.	High	Clear	NW	67	70	1.0124	70	1.0122	72	1.0122	71	1.0120	72	1.0120	72	1.0120	72	1.0120
September 17, 2.30 p. m.	Low	Clear	NW	71	75	1.0118	75	1.0116	75	1.0116	73	1.0122	73	1.0118	73	1.0118	77	1.0112
September 18, 9 a. m.	High	Clear	W	75	70	1.0112	70	1.0118	72	1.0112	71	1.0116	71	1.0116	72	1.0116	72	1.0116
September 18, 3 p. m.	Low	Cloudy	SW	78	71	1.0112	72	1.0118	72	1.0118	71	1.0116	71	1.0116	71	1.0116	72	1.0116
September 19, 10 a. m.	High	Clear	W	74	75	1.0118	74	1.0116	75	1.0116	75	1.0116	75	1.0114	77	1.0110	75	1.0120
September 19, 4 p. m.	Low	Cloudy	NE	82	76	1.0116	75	1.0118	75	1.0114	75	1.0114	75	1.0118	75	1.0110	78	1.0112
September 20, 11 a. m.	High	Clear	E	72	78	1.0114	77	1.0116	76	1.0116	77	1.0114	77	1.0112	79	1.0110	79	1.0110
September 20, 5 p. m.	Low	Cloudy	E	70	77	1.0114	76	1.0114	76	1.0116	76	1.0116	77	1.0114	79	1.0112	79	1.0110
September 21, 12 m.	High	Clear	NE	72	68	1.0120	66	1.0124	67	1.0122	68	1.0122	68	1.0120	68	1.0120	68	1.0120

September 21, 6 p. m.	Low	Cloudy	NE	70	68	1.0120	68	1.0120	68	1.0120	68	1.0120	68	1.0120	68	1.0120	68	1.0120
September 22, 7 a. m.	High	Rain	NE	64	67	1.0122	67	1.0122	67	1.0122	67	1.0122	67	1.0122	67	1.0122	67	1.0122
September 22, 1 p. m.	High	Rain	NE	66	67	1.0122	67	1.0122	67	1.0122	67	1.0122	67	1.0122	67	1.0122	67	1.0122
September 23, 8 a. m.	Low	Clear	NW	54	60	1.0120	58	1.0128	58	1.0128	58	1.0140	56	1.0130	60	1.0120	60	1.0128
September 23, 2 p. m.	High	Clear	NW	62	62	1.0130	63	1.0126	62	1.0126	62	1.0126	63	1.0126	63	1.0126	63	1.0124
September 24, 8.30 a. m.	Low	Clear	SE	67	63	1.0124	61	1.0124	61	1.0124	61	1.0126	62	1.0126	63	1.0126	63	1.0124
September 24, 2.30 p. m.	High	Clear	SW	70	66	1.0122	66	1.0122	66	1.0120	66	1.0120	65	1.0120	66	1.0120	66	1.0116
September 25, 9 a. m.	Low	Clear	W	72	67	1.0120	67	1.0122	67	1.0122	66	1.0120	69	1.0116	69	1.0112	72	1.0114
September 25, 3 p. m.	High	Clear	NW	74	72	1.0116	71	1.0118	70	1.0118	70	1.0118	73	1.0114	73	1.0112	73	1.0116
September 26, 9.30 a. m.	Low	Clear	NW	72	71	1.0120	71	1.0126	69	1.0126	68	1.0126	68	1.0120	69	1.0120	68	1.0122
September 26, 3.30 p. m.	High	Clear	W	73	69	1.0116	71	1.0116	72	1.0116	71	1.0114	71	1.0116	72	1.0116	73	1.0116
September 27, 10 a. m.	Low	Clear	SW	74	72	1.0116	72	1.0116	71	1.0116	71	1.0116	71	1.0118	71	1.0118	71	1.0118
September 27, 4 p. m.	High	Clear	NW	76	71	1.0120	72	1.0120	72	1.0120	72	1.0120	71	1.0120	70	1.0120	73	1.0120
Sept. 28, 10.30 a. m.	Low	Clear	NE	74	72	1.0112	73	1.0112	73	1.0112	74	1.0110	74	1.0110	74	1.0110	76	1.0105
September 28, 4.30 p. m.	High	Clear	NE	73	75	1.0112	75	1.0110	75	1.0110	75	1.0114	74	1.0114	73	1.0120	75	1.0114
September 29, 11 a. m.	Low	Clear	E	80	71	1.0116	71	1.0122	71	1.0122	71	1.0122	69	1.0122	69	1.0122	73	1.0120
September 29, 5.15 p. m.	High	Clear	E	78	75	1.0110	75	1.0110	75	1.0110	73	1.0112	72	1.0114	72	1.0114	73	1.0114
September 30, 12 m.	Low	Clear	E	80	72	1.0114	72	1.0114	72	1.0114	71	1.0114	71	1.0114	71	1.0114	73	1.0112
September 30, 6.30 p. m.	High	Clear	E	70	74	1.0110	75	1.0110	74	1.0110	74	1.0110	72	1.0114	73	1.0114	70	1.0118
October 1, 7.30 a. m.	High	Cloudy	E	70	70	1.0114	70	1.0114	72	1.0114	71	1.0116	69	1.0118	69	1.0118	70	1.0118
October 1, 1 p. m.	Low	Clear	SE	73	72	1.0116	71	1.0116	72	1.0116	72	1.0118	67	1.0122	67	1.0122	70	1.0120
October 2, 8.30 a. m.	High	Cloudy	E	70	67	1.0120	67	1.0120	67	1.0120	67	1.0120	68	1.0118	68	1.0118	63	1.0118
October 2, 2 p. m.	Low	Cloudy	E	72	71	1.0118	71	1.0116	71	1.0116	71	1.0116	71	1.0114	71	1.0118	71	1.0118
October 3, 9.30 a. m.	High	Cloudy	SW	73	70	*1.0100	70	*1.0100	70	*1.0100	70	*1.0088	70	*1.0108	70	*1.0108	70	*1.0108
October 3, 3 p. m.	Low	Cloudy	SE	78	75	*1.0102	74	*1.0100	74	*1.0100	74	*1.0104	76	*1.0100	74	*1.0106	75	*1.0104
October 4, 10.30 a. m.	High	Cloudy	E	75	70	1.0106	70	1.0110	70	1.0108	71	1.0118	71	1.0114	71	1.0114	73	1.0108
October 4, 4 p. m.	Low	Cloudy	E	65	70	1.0112	70	1.0112	71	1.0112	71	1.0120	68	1.0120	68	1.0122	69	1.0120
October 5, 11.30 a. m.	High	Clear	NW	65	69	1.0116	63	1.0120	68	1.0120	68	1.0120	68	1.0120	68	1.0120	68	1.0120
October 5, 5 p. m.	Low	Clear	NW	66	63	1.0120	63	1.0122	66	1.0122	65	1.0122	65	1.0124	65	1.0124	64	1.0126
October 6, 12.30 p. m.	High	Cloudy	NE	59	61	1.0120	61	1.0130	61	1.0130	61	1.0130	61	1.0130	61	1.0130	63	1.0128
October 6, 6.30 p. m.	Low	Rain	NE	58	61	1.0130	61	1.0130	61	1.0130	61	1.0130	61	1.0130	61	1.0130	61	1.0130
October 7, 7.30 a. m.	Low	Clear	NE	60	62	1.0126	62	1.0122	62	1.0122	63	1.0124	62	1.0124	62	1.0126	63	1.0126
October 7, 1.30 p. m.	High	Clear	NE	60	61	1.0130	62	1.0128	62	1.0128	62	1.0126	61	1.0130	61	1.0130	64	1.0122
October 8, 8.30 a. m.	Low	Clear	NE	59	60	1.0124	60	1.0122	60	1.0122	60	1.0124	60	1.0124	60	1.0122	60	1.0124
October 8, 2.30 p. m.	High	Overcast	NE	61	60	1.0124	60	1.0122	60	1.0122	60	1.0122	60	1.0122	60	1.0122	60	1.0124
October 9, 9.30 a. m.	Low	Cloudy	NE	60	60	1.0120	60	1.0122	60	1.0122	60	1.0120	60	1.0122	60	1.0122	60	1.0124
October 9, 3 p. m.	High	Cloudy	NE	61	60	1.0124	61	1.0120	61	1.0120	60	1.0122	60	1.0124	60	1.0124	60	1.0124
October 10, 10 a. m.	Low	Clear	NW	62	60	1.0130	59	1.0122	59	1.0122	59	1.0126	60	1.0126	60	1.0126	62	1.0122
October 10, 4 p. m.	High	Clear	SW	65	64	1.0124	60	1.0124	60	1.0124	63	1.0130	61	1.0122	61	1.0120	61	1.0126
October 11, 11 a. m.	Low	Clear	E	70	61	1.0130	61	1.0130	61	1.0130	63	1.0121	63	1.0130	63	1.0130	63	1.0126
October 11, 5 p. m.	High	Cloudy	E	70	64	1.0120	64	1.0120	61	1.0120	61	1.0122	63	1.0126	63	1.0128	64	1.0124
October 12, 12 m.	Low	Stormy	SE	70	61	1.0122	61	1.0120	61	1.0120	61	1.0124	61	1.0122	61	1.0120	61	1.0122
October 12, 6 p. m.	High	Stormy	SE	67	61	1.0126	61	1.0120	61	1.0120	61	1.0122	61	1.0120	61	1.0126	61	1.0122
October 13, 1 p. m.	Low	Cloudy	SE	67	63	1.0120	63	1.0112	63	1.0112	63	1.0112	63	1.0114	63	1.0116	63	1.0122
October 13, 7 p. m.	High	Clear	SW	65	63	1.0120	63	1.0112	63	1.0112	63	1.0112	63	1.0112	63	1.0116	63	1.0122
October 14, 8 a. m.	High	Clear	NW	60	62	1.0122	61	1.0122	61	1.0122	61	1.0118	61	1.0120	61	1.0120	62	1.0122
October 14, 1.30 p. m.	Low	Clear	W	67	62	1.0120	62	1.0116	62	1.0116	61	1.0114	61	1.0122	60	1.0130	60	1.0130
October 15, 9 a. m.	High	Clear	SW	60	59	1.0130	60	1.0120	60	1.0120	59	1.0120	59	1.0130	59	1.0128	59	1.0130
October 15, 2.30 p. m.	Low	Clear	W	65	60	1.0128	60	1.0112	60	1.0112	60	1.0102	60	1.0126	60	1.0126	60	1.0128
October 16, 10 a. m.	High	Clear	E	70	61	1.0128	61	1.0123	61	1.0126	60	1.0120	61	1.0128	61	1.0130	61	1.0130
October 16, 3.30 p. m.	Low	Clear	SE	70	62	1.0122	62	1.0126	62	1.0126	62	1.0126	62	1.0128	62	1.0124	62	1.0128
October 17, 11 a. m.	High	Clear	SW	67	62	1.0128	62	1.0128	61	1.0128	61	1.0124	62	1.0128	62	1.1130	62	1.0128

Table of temperatures, weather, and density of water at Saint Jerome Station from July 1, 1885 to October 31, 1885, inclusive—Continued.

Date.	State of tide.	State of weather.	Direction of wind.	Temperature of air.	Water at wharf.		Water at oyster ponds I, II, III.		Water at oyster pond IV.		Water at canal.		Water at lower pond.		Water at Deep Point.		Water in the bay.		
					Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.
1885.																			
October 17, 4.30 p. m.	Low	Clear	SW.	68	67	1.0122	67	1.0118	67	1.0118	68	1.0122	67	1.0120	67	1.0120	71	1.0122	
October 18, 11.30 a. m.	High	Clear	S.	72	67	1.0118	67	1.0118	67	1.0118	67	1.0120	67	1.0124	67	1.0124	68	1.0122	
October 18, 5 p. m.	Low	Clear	S.	70	69	1.0122	69	1.0124	69	1.0124	69	1.0120	69	1.0120	69	1.0122	71	1.0130	
October 19, 12 m.	High	Clear	SE.	72	69	1.0126	69	1.0122	69	1.0122	68	1.0130	68	1.0130	68	1.0130	68	1.0130	
October 19, 3.30 p. m.	Low	Clear	SE.	70	69	1.0126	68	1.0124	68	1.0124	68	1.0122	68	1.0126	68	1.0126	70	1.0128	
October 20, 12.30 p. m.	High	Clear	SW.	72	70	1.0130	67	1.0124	67	1.0124	67	1.0130	67	1.0124	67	1.0130	68	1.0130	
October 20, 6 p. m.	Low	Cloudy	SW.	70	69	1.0122	69	1.0122	69	1.0122	68	1.0122	69	1.0122	69	1.0122	70	1.0126	
October 21, 1 p. m.	High	Rain	SW.	69	59	1.0132	60	1.0122	60	1.0122	61	1.0120	58	1.0132	58	1.0136	60	1.0138	
October 21, 7 p. m.	Low	Clear	NW.	62	59	1.0132	53	1.0122	59	1.0122	59	1.0126	59	1.0130	59	1.0136	59	1.0138	
October 22, 7.30 a. m.	Low	Clear	NW.	46	57	1.0138	56	1.0124	56	1.0124	53	1.0120	53	1.0148	52	1.0148	53	1.0144	
October 22, 1.30 p. m.	High	Clear	NW.	58	61	1.0130	59	1.0128	59	1.0128	59	1.0130	57	1.0140	59	1.0130	60	1.0138	
October 23, 8 a. m.	Low	Clear	NE.	40	58	1.0140	58	1.0138	58	1.0138	58	1.0138	58	1.0140	58	1.0140	58	1.0140	
October 23, 2 p. m.	High	Clear	E.	58	58	1.0138	53	1.0138	58	1.0138	58	1.0140	60	1.0140	60	1.0140	60	1.0140	
October 24, 8.30 a. m.	Low	Clear	NE.	46	58	1.0140	58	1.0136	58	1.0136	58	1.0138	58	1.0140	58	1.0140	57	1.0144	
October 24, 2.30 p. m.	High	Clear	NE.	50	59	1.0138	60	1.0136	60	1.0136	59	1.0140	60	1.0142	60	1.0144	60	1.0144	
October 25, 9 a. m.	Low	Clear	NE.	48	60	1.0142	59	1.0138	59	1.0138	59	1.0142	59	1.0144	59	1.0146	60	1.0146	
October 25, 3 p. m.	High	Clear	NE.	62	60	1.0142	61	1.0140	61	1.0140	61	1.0142	60	1.0142	61	1.0144	62	1.0144	
October 26, 9.30 a. m.	Low	Clear	SE.	60	61	1.0140	61	1.0132	61	1.0132	61	1.0136	61	1.0136	61	1.0138	63	1.0136	
October 26, 3.30 p. m.	High	Clear	S.	62	63	1.0140	62	1.0136	62	1.0136	61	1.0140	61	1.0142	62	1.0142	63	1.0144	
October 27, 10.30 a. m.	Low	Clear	SE.	65	62	1.0140	63	1.0130	63	1.0130	61	1.0130	61	1.0140	62	1.0140	64	1.0136	
October 27, 4.30 p. m.	High	Cloudy	SE.	63	63	1.0140	63	1.0136	63	1.0136	62	1.0140	62	1.0142	63	1.0142	64	1.0142	
October 28, 11.15 a. m.	Low	Clear	SE.	68	64	1.0132	65	1.0132	65	1.0132	65	1.0132	65	1.0136	65	1.0136	67	1.0132	
October 28, 5.15 p. m.	High	Cloudy	SE.	70	65	1.0134	66	1.0136	66	1.0136	66	1.0136	66	1.0132	66	1.0132	67	1.0132	
October 29, 12 m.	Low	Rain	SE.	65	65	1.0132	65	1.0132	65	1.0132	65	1.0134	65	1.0138	65	1.0136	65	1.0142	
October 29, 6 p. m.	High	Rain	SE.	65	64	1.0136	64	1.0136	64	1.0136	64	1.0138	64	1.0142	64	1.0144	64	1.0146	
October 30, 12.30 p. m.	Low	Clear	NE.	55	60	1.0140	61	1.0140	61	1.0140	61	1.0142	60	1.0140	60	1.0144	59	1.0146	
October 30, 6.30 p. m.	High	Clear	NE.	50	57	1.0138	58	1.0140	58	1.0140	58	1.0142	57	1.0142	55	1.0142	54	1.0140	
October 31, 7 a. m.	High	Clear	NW.	42	49	1.0144	51	1.0142	51	1.0142	51	1.0142	48	1.0144	48	1.0146	52	1.0148	
October 31, 1 p. m.	Low	Clear	NW.	52	50	1.0148	51	1.0142	51	1.0142	50	1.0150	49	1.0150	49	1.0140	52	1.0150	

Table of temperature, weather, and density of water at Saint Jerome Station from November 1, 1885, to December 31, 1885, inclusive.

NOTE.—From November 1 to December 31, inclusive, the salinometer used was No. 5319.

Date.	State of tide.	State of weather.	Direction of wind.	Temperature of air.	Water at wharf.		Water at oyster ponds.		Water at canal.		Water at lower pond.		Water at Deep Point.		Water in the bay.	
					Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.	Temperature.	Density.
				o	o	o	o	o	o	o	o	o	o	o	o	o
1885.																
November 1-3 a.																
November 4, 12 m.	High	Clear	NW	52	53	1.0150	54	1.0140	54	1.0140	54	1.0148	54	1.0142	56	1.0144
November 4, 6 p. m.	Low	Clear	W	51	52	1.0150	52	1.0142	52	1.0142	52	1.0150	52	1.0150	52	1.0150
November 5, 7 a. m.	Low	Clear	SW	60	58	1.0142	56	1.0144	56	1.0134	56	1.0142	57	1.0140	58	1.0142
November 5, 1 p. m.	High	Clear	SW	64	59	1.0140	59	1.0140	59	1.0140	60	1.0144	60	1.0144	60	1.0144
November 6, 8 a. m.	Low	Cloudy	SW	69	61	1.0140	61	1.0130	61	1.0134	61	1.0134	66	1.0136	66	1.0136
November 6, 2 p. m.	High	Variable	SW	72	64	1.0134	62	1.0134	62	1.0136	63	1.0134	63	1.0134	63	1.0134
November 7, 9 a. m.	Low	Cloudy	SW	66	64	1.0134	65	1.0132	64	1.0138	62	1.0136	62	1.0138	62	1.0138
November 7, 3 p. m.	High	Cloudy	SW	74	67	1.0138	65	1.0132	64	1.0138	67	1.0138	67	1.0132	68	1.0134
November 8, 9.30 a. m.	Low	Cloudy	SW	60	65	1.0132	65	1.0132	65	1.0134	65	1.0134	65	1.0134	65	1.0136
November 8, 3.30 p. m.	High	Rain	SE	60	65	1.0134	65	1.0132	65	1.0134	65	1.0134	65	1.0134	65	1.0134
November 9, 10.30 a. m.	Low	Clear	NW	58	58	1.0138	57	1.0134	57	1.0126	55	1.0138	55	1.0140	56	1.0140
November 9, 4.30 p. m.	High	Clear	NW	54	55	1.0140	55	1.0138	54	1.0136	53	1.0142	54	1.0142	56	1.0140
November 10, 11.30 a. m.	Low	Clear	NW	52	53	1.0130	53	1.0130	53	1.0130	51	1.0142	51	1.0142	53	1.0142
November 10, 5.30 p. m.	High	Clear	NW	54	53	1.0142	53	1.0142	53	1.0142	52	1.0144	52	1.0142	52	1.0142
November 11, 12 m.	Low	Clear	SW	60	55	1.0140	52	1.0138	52	1.0140	52	1.0140	56	1.0138	55	1.0140
November 11, 6.15 p. m.	High	Clear	SW	58	53	1.0140	53	1.0138	54	1.0140	54	1.0140	54	1.0140	53	1.0140
November 12, 7 a. m.	High	Clear	SW	64	56	1.0140	56	1.0138	56	1.0140	56	1.0140	56	1.0140	59	1.0138
November 12, 7.15 a. m.	Low	Cloudy	SW	65	56	1.0140	56	1.0138	56	1.0140	56	1.0140	57	1.0140	59	1.0140
November 13, 8 a. m.	High	Cloudy	SW	71	63	1.0136	60	1.0130	60	1.0120	60	1.0136	60	1.0136	61	1.0136
November 13, 2 p. m.	Low	Rain	SW	69	60	1.0136	61	1.0126	61	1.0112	61	1.0136	61	1.0136	63	1.0134
November 14, 8.30 a. m.	High	Clear	NE	52	52	1.0142	53	1.0138	53	1.0146	54	1.0140	53	1.0146	53	1.0146
November 14, 2.30 p. m.	Low	Clear	NE	57	52	1.0142	53	1.0138	51	1.0140	54	1.0144	54	1.0144	53	1.0144
November 15, 9 a. m.	High	Clear	N	48	49	1.0144	49	1.0140	48	1.0144	48	1.0144	48	1.0144	48	1.0141
November 15, 3 p. m.	Low	Clear	Y.	50	50	1.0144	51	1.0140	50	1.0146	49	1.0146	49	1.0146	51	1.0140
November 16, 9.30 a. m.	High	Clear	NE	52	47	1.0150	47	1.0142	48	1.0142	50	1.0146	50	1.0146	51	1.0144
November 16, 4.30 p. m.	Low	Clear	NE	56	50	1.0150	50	1.0142	50	1.0142	51	1.0144	51	1.0144	51	1.0144
November 17, 10 a. m.	High	Clear	E.	49	46	1.0148	47	1.0146	47	1.0144	47	1.0148	47	1.0144	46	1.0146
November 17, 4 p. m.	Low	Clear	E.	52	51	1.0144	56	1.0144	50	1.0142	51	1.0144	52	1.0144	54	1.0140
November 18, 10.30 a. m.	High	Clear	SW	62	55	1.0133	55	1.0136	54	1.0136	54	1.0134	54	1.0134	55	1.0134
November 18, 4.30 p. m.	Low	Overcast	SE	58	54	1.0138	53	1.0140	53	1.0140	53	1.0140	53	1.0140	55	1.0140
November 19, 11 a. m.	High	Cloudy	SW	60	55	1.0138	55	1.0138	55	1.0136	56	1.0136	56	1.0140	57	1.0138
November 19, 3 p. m.	Low	Cloudy	NE	60	56	1.0140	56	1.0138	56	1.0136	57	1.0140	56	1.0138	56	1.0140
November 20, 11.30 a. m.	High	Clear	NE	41	50	1.0142	50	1.0142	50	1.0142	50	1.0138	48	1.0138	56	1.0140
November 20, 3.30 p. m.	Low	Clear	NE	47	52	1.0138	51	1.0138	51	1.0138	50	1.0136	50	1.0138	51	1.0138

a No record kept.

Table of temperatures, weather, and density of water at Saint Jerome Station from November 1, 1885, to December 31, 1885, inclusive—Continued.

Date.	State of tide.	State of weather.	Direc- tion of wind.	Tem- perature of air.	Water at wharf.		Water at oyster ponds.		Water at canal.		Water at lower pond.		Water at Deep Point.		Water in the bay.	
					Tem- perature.	Density.	Tem- perature.	Density.	Tem- perature.	Density.	Tem- perature.	Density.	Tem- perature.	Density.	Tem- perature.	Density.
1885.				°	°	°	°	°	°	°	°	°	°	°	°	°
November 21, 12 m	High	Clear	W.	45	50	1.0134	49	1.0138	50	1.0134	49	1.0132	48	1.0132	49	1.0134
November 21, 6 p. m	Low	Clear	NW.	46	48	1.0134	47	1.0149	48	1.0134	49	1.0134	49	1.0134	49	1.0134
November 22, 7 a. m	Low	Rain	SW.	50	50	1.0132	50	1.0134	50	1.0130	51	1.0130	52	1.0132	52	1.0132
November 22, 1 p. m	High	Cloudy	W.	53	50	1.0132	51	1.0134	51	1.0130	51	1.0130	52	1.0132	52	1.0132
November 23, 8 a. m	Low	Cloudy	NW.	45	52	1.0134	50	1.0134	50	1.0134	50	1.0132	50	1.0130	50	1.0132
November 23, 2 p. m	High	Stormy	NW.	42	49	1.0134	48	1.0138	48	1.0134	47	1.0134	46	1.0136	49	1.0134
November 24, 8.30 a. m	Low	Stormy	NW.	37	45	1.0136	45	1.0136	45	1.0138	45	1.0136	45	1.0136	45	1.0136
November 24, 2.30 p. m	High	Stormy	NW.	42	47	1.0134	47	1.0134	47	1.0134	47	1.0134	47	1.0134	47	1.0134
November 25, 9.45 a. m	Low	Stormy	NW.	42	45	1.0136	45	1.0136	45	1.0136	45	1.0134	45	1.0136	45	1.0136
November 25, 4 p. m	High	Stormy	NW.	44	42	1.0134	47	1.0134	47	1.0134	45	1.0136	45	1.0136	45	1.0136
November 26, 11 a. m	Low	Stormy	NW.	42	42	1.0134	42	1.0136	42	1.0138	42	1.0138	42	1.0140	42	1.0140
November 26, 5 p. m	High	Clear	NW.	45	46	1.0134	44	1.0136	44	1.0134	45	1.0136	43	1.0136	44	1.0136
November 27, 12 m	Low	Cloudy	NW.	45	42	1.0136	42	1.0136	42	1.0136	42	1.0136	42	1.0136	42	1.0136
November 27, 6 p. m	High	Clear	NW.	42	43	1.0136	43	1.0136	43	1.0134	43	1.0136	43	1.0136	43	1.0136
November 28, 7 a. m	High	Cloudy	NW.	40	45	1.0132	43	1.0134	44	1.0130	43	1.0130	43	1.0132	46	1.0128
November 28, 1 p. m	Low	Clear	NW.	43	43	1.0130	45	1.0130	44	1.0130	44	1.0134	46	1.0134	46	1.0134
November 29 and 30 a.																
December 1 and 2 a.																
December 3, 10.30 a. m	High	Clear	NW.	45	43	1.0122	43	1.0122	43	1.0122	43	1.0122	42	1.0122	42	1.0122
December 3, 4.30 p. m	Low	Cloudy	NW.	44	42	1.0122	42	1.0122	42	1.0122	43	1.0122	43	1.0122	43	1.0122
December 4, 12 m	High	Clear	W.	53	44	1.0122	45	1.0122	45	1.0120	45	1.0120	45	1.0120	45	1.0120
December 4, 6.30 p. m	Low	Clear	SW.	45	44	1.0122	43	1.0120	43	1.0120	45	1.0120	45	1.0120	45	1.0120
December 5, 7.30 a. m	Low	Rain	W.	43	45	1.0124	44	1.0114	43	1.0116	45	1.0122	46	1.0122	46	1.0122
December 5, 1.30 p. m	High	Cloudy	NW.	40	41	1.0124	41	1.0120	41	1.0122	41	1.0124	41	1.0124	41	1.0124
December 6, 8.30 a. m	Low	Clear	NW.	51	34	1.0120	34	1.0120	35	1.0118	34	1.0124	35	1.0128	36	1.0128
December 6, 2.30 p. m	High	Clear	NW.	35	34	1.0120	34	1.0114	35	1.0118	35	1.0124	35	1.0124	36	1.0128
December 7, 9.30 a. m	Low	Clear	NW.	20	35	1.0126	32	1.0120	32	1.0120	32	1.0120	32	1.0122	32	1.0128
December 7, 3.30 p. m	High	Clear	NW.	20	32	1.0120	32	1.0120	33	1.0120	33	1.0120	33	1.0120	34	1.0140
December 8, 10 a. m	Low	Cloudy	SW.	26	34	1.0128	34	1.0120	32	1.0120	32	1.0128	32	1.0128	31	1.0140
December 8, 4 p. m	High	Clear	SW.	36	36	1.0128	35	1.0124	35	1.0122	37	1.0128	37	1.0128	36	1.0136
December 9, 10.30 a. m	Low	Cloudy	SW.	48	40	1.0128	44	1.0122	44	1.0122	43	1.0124	44	1.0124	45	1.0124
December 9, 4.30 p. m	High	Cloudy	SW.	50	44	1.0120	45	1.0112	44	1.0112	44	1.0110	44	1.0122	44	1.0124
December 10, 10.45 a. m	Low	Cloudy	NW.	48	45	1.0118	49	1.0114	47	1.0114	47	1.0114	47	1.0116	46	1.0124
December 10, 4.45 p. m	High	Clear	NW.	51	47	1.0118	47	1.0114	47	1.0120	47	1.0120	47	1.0120	46	1.0124
December 11, 10.30 a. m	Low	Clear	NW.	36	40	1.0122	40	1.0116	40	1.0122	39	1.0122	39	1.0122	38	1.0124
December 11, 5.15 p. m	High	Clear	NW.	44	42	1.0120	43	1.0114	43	1.0122	43	1.0124	41	1.0124	41	1.0124
December 12, 12 m	Low	Clear	NW.	36	40	1.0124	39	1.0112	39	1.0134	40	1.0120	41	1.0124	41	1.0124
December 12, 6 p. m	High	Clear	NW.	42	43	1.0124	40	1.0114	40	1.0124	40	1.0120	39	1.0128	39	1.0128

December 13, 12.30 p.m.	Low	Rain	SW.	44	39	1.0126	40	1.0118	40	1.0120	40	1.0126	40	1.0128	40	1.0128
December 13, 6.30 p.m.	High	Rain	SE.	40	40	1.0126	41	1.0118	41	1.0122	41	1.0128	40	1.0128	39	1.0128
December 14, 7.30 a.m.	High	Rain	SW.	50	46	1.0110	47	1.0100	45	1.0102	45	1.0116	46	1.0124	46	1.0126
December 14, 1.30 p.m.	Low	Cloudy	NW.	44	45	1.0114	43	1.0106	43	1.0104	44	1.0120	43	1.0122	43	1.0124
December 15, 8.30 a.m.	High	Clear	NW.	28	34	1.0114	34	1.0116	34	1.0110	34	1.0116	34	1.0120	34	1.0124
December 15, 3 p.m.	Low	Clear	NW.	33	35	1.0116	37	1.0116	37	1.0104	35	1.0116	37	1.0124	36	1.0124
December 16, 9.30 a.m.	High	Clear	NW.	40	38	1.0128	38	1.0114	38	1.0122	36	1.0128	36	1.0128	38	1.0128
December 16, 4 p.m.	Low	Clear	NW.	54	42	1.0118	42	1.0114	41	1.0118	41	1.0118	47	1.0124	42	1.0124
December 17, 10.30 a.m.	High	Clear	NW.	38	38	1.0120	38	1.0118	38	1.0120	38	1.0120	37	1.0126	40	1.0126
December 17, 4.30 p.m.	Low	Clear	NW.	45	38	1.0120	39	1.0118	39	1.0118	37	1.0120	40	1.0124	40	1.0126
December 18, 11.30 a.m.	High	Clear	NW.	45	39	1.0124	40	1.0120	40	1.0124	40	1.0124	40	1.0124	40	1.0126
December 18, 5.30 p.m.	Low	Clear	W.	50	45	1.0124	40	1.0120	44	1.0122	44	1.0122	44	1.0124	44	1.0126
December 19, 12.30 p.m.	High	Clear	W.	40	43	1.0126	44	1.0122	44	1.0122	44	1.0126	44	1.0126	44	1.0126
December 19, 6.30 p.m.	Low	Clear	NW.	38	40	1.0126	40	1.0124	40	1.0124	40	1.0126	39	1.0128	41	1.0126
December 20, 7.30 a.m.	Low	Clear	NW.	38	44	1.0128	43	1.0122	43	1.0122	43	1.0126	44	1.0126	44	1.0126
December 20, 1.30 p.m.	High	Clear	NW.	38	40	1.0126	40	1.0122	40	1.0122	40	1.0126	39	1.0126	39	1.0126
December 21, 8.30 a.m.	Low	Clear	NW.	36	37	1.0126	35	1.0122	35	1.0118	37	1.0126	37	1.0126	36	1.0126
December 21, 2.30 p.m.	High	Clear	NW.	35	37	1.0126	37	1.0122	36	1.0120	35	1.0124	35	1.0126	35	1.0126
December 22, 9.15 a.m.	Low	Clear	NW.	45	45	1.0124	43	1.0124	43	1.0122	43	1.0122	45	1.0122	45	1.0122
December 22, 3.15 p.m.	High	Clear	NE.	55	47	1.0124	47	1.0122	46	1.0120	46	1.0122	45	1.0120	47	1.0120
December 23, 10 a.m.	Low	Clear	SW.	48	46	1.0120	46	1.0120	46	1.0120	46	1.0120	46	1.0120	47	1.0122
December 23, 4 p.m.	High	Cloudy	W.	50	47	1.0122	47	1.0120	47	1.0120	46	1.0120	46	1.0120	47	1.0122
December 24, 10.30 a.m.	Low	Clear	W.	60	50	1.0120	49	1.0120	49	1.0122	49	1.0118	48	1.0122	49	1.0120
December 24, 4.30 p.m.	High	Clear	W.	52	50	1.0120	50	1.0120	50	1.0120	50	1.0122	50	1.0122	50	1.0122
December 25 a																
December 26, 12 m.	Low	Cloudy	NNE.	32	32	1.0122	32	1.0122	32	1.0120	32	1.0122	32	1.0122	34	1.0122
December 26, 6 p.m.	High	Clear	NNE.	30	32	1.0120	32	1.0120	32	1.0120	32	1.0120	33	1.0122	32	1.0124
December 27, 7 a.m.	High	Clear	NW.	26	33	1.0126	33	1.0124	33	1.0122	33	1.0124	33	1.0122	35	1.0124
December 27, 1 p.m.	Low	Clear	NW.	35	36	1.0120	37	1.0120	37	1.0120	37	1.0116	37	1.0116	33	1.0120
December 28, 8 a.m.	High	Clear	NW.	35	38	1.0116	35	1.0120	36	1.0114	38	1.0116	39	1.0116	37	1.0116
December 28, 2 p.m.	Low	Clear	W.	47	37	1.0116	36	1.0118	37	1.0114	38	1.0116	38	1.0116	40	1.0116
December 29, 9 a.m.	High	Clear	W.	40	38	1.0118	38	1.0118	37	1.0118	38	1.0118	37	1.0118	38	1.0118
December 29, 3 p.m.	Low	Clear	W.	52	40	1.0116	40	1.0114	40	1.0114	40	1.0114	40	1.0114	42	1.0114
December 30, 10 a.m.	High	Clear	W.	40	41	1.0118	38	1.0116	37	1.0114	39	1.0114	40	1.0114	40	1.0118
December 30, 4 p.m.	Low	Clear	SW.	45	42	1.0118	40	1.0118	40	1.0118	40	1.0116	40	1.0116	43	1.0112
December 31, 10 a.m.	High	Rain	W.	44	43	1.0104	43	1.0108	43	1.0108	43	1.0112	43	1.0112	43	1.0112
December 31, 3 p.m.	Low	Cloudy	NW.	46	49	1.0100	47	1.0100	47	1.0100	47	1.0108	47	1.0110	47	1.0112

a No record kept.