

XVII.—REPORT OF OPERATIONS AT SAINT JEROME OYSTER-BREEDING STATION FOR THE YEAR 1886.

BY W. DE C. RAVENEL.

During the greater parts of the months January, February, and March the channel to station and the upper part of the creek was frozen over, stopping all oystering and communication by water. Records of the temperature and density of water in the ponds and bay were kept during that time when practicable.

It having been decided to continue the experiments in artificial propagation by means of artificially-impregnated spawn on a much larger scale than before and without confining it to ponds in which the water was filtered, and also to give Prof. John A. Ryder's system of spat collection a fair trial, 300 bushels of oysters were purchased in April and bedded in lower pond for the artificial propagation, and 75 bushels were put in pond 5 to furnish spawn for the Ryder experiment, the flume used to connect pond and channel having been taken out.

I was ordered to Battery Station on April 21 to assist in the shad-hatching operations and returned to Saint Jerome on May 26. During the month of June a zigzag canal 270 feet in length, 4 feet deep, and $3\frac{1}{2}$ feet wide, connecting pond 5 and main channel, was dug, sheathed up, and baskets made, which, soon after the 1st of July, were filled with clean shells and placed in canal.

The bank around the lower pond was wattled from the south end of piles to wharf on Deep Point; piles were driven around the mouth of terra-cotta pipe connecting bay and pond 4 and inclosed with wire netting to keep out sea-weed and trash. A large quantity of sea-weed having settled at wharf, the men were employed two days removing a part of it; the *Halcyon* arriving on 30th with the Assistant Commissioner, finished this work by means of her propeller.

The laborers employed in digging canal, handling baskets, and other general work were hired from the immediate vicinity at \$1.50 per day.

On June 23 ripe oysters were found in sufficient numbers to commence spawning regularly. The force, consisting of four men, was employed daily during the season in collecting ripe oysters, distributing the artificially-fertilized spawn in ponds 1, 2, 3, 4, and 5, and at other points, and putting out collectors of slate and tile, coated with mortar,

placed in frames of various designs, so as to be in horizontal and upright positions. Wire trays, covered with oysters and slate, resting on trestles about 8 inches high, were used in the ponds where artificially-fertilized spawn was distributed. In addition to these, plastering laths and shingles nailed to strips were made use of in the ponds and surrounding waters, fixed so that where some floated on the surface, others rested on the bottom or were anchored midway. Shells were also used as formerly, strung on galvanized wire.

The Steamer *Fish Hawk* arrived July 11 with dredge and two scows. Leaving them she proceeded to Battery Station, returning on the 16th with two launches and a large force of men to work the dredge and sink an artesian well under the direction of Mr. Grabill, superintendent Battery Station, who, immediately upon his arrival, commenced sinking the well at the north-east corner of wharf. After several attempts to get water near the surface, the pipe was driven down about 80 feet and then abandoned, in consequence of the pumps being out of order.

The dredge commenced work in front of wharf to dig out a basin 150 feet wide by 9 feet deep, and to continue deepening the channel leading to station. Very little progress was made, owing to the poor condition of machinery, the difficulty of getting fresh water, and the hardness of the soil. On the 24th the dipper-pole broke and was not replaced until the 28th, when work was resumed.

The Assistant Commissioner arrived on steamer *Halcyon* on 30th instant to inspect the general work of station.

During this month all the shells in the baskets were washed, as much sediment had collected on them; very few young oysters were found at that time on them.

In August spawning was pushed with energy, new collectors being put out daily until the 24th, when these operations ceased. The first appearance of spat was in pond 2 on July 29, when oysters one-eighth of an inch in diameter were found. Mr. Grabill left for Battery Station August 3, sending the dredge, scows, and a launch by the *Fish Hawk* to same point; leaving Launch No. 55 and crew to assist in spawning at this station.

On August 18 Machinist Glennan and a carpenter reported for duty with a pump borrowed from the Fort Washington Station and work was resumed on the well. After several ineffectual attempts to drive the pipe deeper it was given up and a new one commenced, which had been sunk to a depth of 94 feet when Passed Assistant Engineer Reeves arrived on *Fish Hawk* with a large force of men to take charge. The work was now pushed night and day until, on the 26th, when a depth of 203 feet had been obtained, the pipe wrung off 23 feet below the surface. It was then abandoned and the *Fish Hawk* left for Wood's Holl, Mass., taking with her the carpenters, the greater part of the engineer force, and the well-driving equipment. The rest of the men, except Coxswain Jones, were sent to Battery Station on the 31st.

During the months of September and October all collectors put out were taken up and overhauled. The set of spat was exceedingly poor on collectors from channel and lower ponds, though 183 oysters were found on one slate collector from Wrightson's Bar. About 500 were found on collectors in ponds 1, 2, 3, and 4. All those with spat were placed in ponds 1 and 2 on wire trays, resting on bottom.

On September 13, finding the oysters in pond 5 dying in great numbers from the effect of sand, I had them all taken up and put in lower pond. Upon thoroughly overhauling the baskets of shells and finding about 40 oysters to the basket, the shells were scattered in the channel and pond west of cottage.

Having observed a very heavy set of spat in parts of the outer creek, at the suggestion of the Assistant Commissioner, a careful examination of this, with Point Lookout and Smith's Creeks, was instituted. In the former the set of spat was phenomenally large for about one-half mile up both branches, while in the others the set was quite poor, though oysters were plentiful. It would therefore appear that Saint Jerome Creek had been advantageously affected by the large quantity of artificially-fertilized spawn distributed by the station.

The *Fish Hawk* arrived here on 3d of November, left well-tower and equipment, and taking Coxswain Jones and Launch 55, proceeded to Battery Station. The Herreshoff pump borrowed from the carp pond in Washington was returned November 8.

November 14 the *Halcyon* arrived with the Assistant Commissioner, who, after inspecting the station, instructed that it be closed and put in charge of a watchman and the superintendent report to Battery Station. All collectors with oysters attached were left in ponds 1, 2, and 3; about 350 oysters obtained from collectors placed in outer creek were put into three caissons and placed in pond 3. The station was turned over to the watchman, S. B. Wrightson, on 20th of November.

Appended is a table of weather variations and density and temperature, etc., of water at Saint Jerome Station.

HAVRE DE GRACE, *October 28, 1887.*

Table of temperatures, weather, and densities of water at Saint Jerome Station from January 1, 1886, to April 17, 1886, and from July 1, 1886, to November 7, 1886, inclusive.

NOTE.—Salinometer No. 5317 was in use during the following periods: January 17 to February 17; March 16 to April 3; April 5 to April 17; August 4 to September 28. Salinometer No. 5319 was in use during the following periods: January 1 to January 9; February 18 to February 26; March 1 to March 15; July 1 to August 3, and September 29 to November 7.

| 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. |
| 1886. | | | | | | | | | | | | | | | | |
| January 1, 10 a. m. | High | Clear | NW. | 42 | 41 | 1.0114 | 41 | 1.0110 | 40 | 1.0110 | 41 | 1.0114 | 41 | 1.0114 | 41 | 1.0114 |
| January 1, 4 p. m. | Low | Clear | NW. | 50 | 45 | 1.0110 | 45 | 1.0110 | 45 | 1.0110 | 44 | 1.0112 | 44 | 1.0112 | 44 | 1.0112 |
| January 2, 11 a. m. | High | Clear | NW. | 43 | 42 | 1.0112 | 42 | 1.0112 | 42 | 1.0114 | 42 | 1.0110 | 42 | 1.0112 | 42 | 1.0110 |
| January 2, 5 p. m. | Low | Clear | NE. | 45 | 44 | 1.0112 | 44 | 1.0112 | 44 | 1.0112 | 44 | 1.0112 | 44 | 1.0112 | 44 | 1.0112 |
| January 3, 12 m. | High | Cloudy | E. | 55 | 47 | 1.0112 | 47 | 1.0112 | 47 | 1.0112 | 47 | 1.0110 | 47 | 1.0116 | 47 | 1.0110 |
| January 3, 6 p. m. | Low | Cloudy | E. | 55 | 47 | 1.0112 | 47 | 1.0112 | 47 | 1.0112 | 47 | 1.0112 | 47 | 1.0112 | 47 | 1.0112 |
| January 4, 7 a. m. | Low | Rain | SE. | 50 | 46 | 1.0110 | 46 | 1.0110 | 46 | 1.0110 | 46 | 1.0110 | 46 | 1.0110 | 46 | 1.0110 |
| January 4, 1 p. m. | High | Rain | S. | 52 | 46 | 1.0110 | 48 | 1.0110 | 48 | 1.0110 | 46 | 1.0110 | 48 | 1.0110 | 48 | 1.0110 |
| January 5, 8.30 p. m. | Low | Clear | W. | 45 | 46 | 1.0108 | 44 | 1.0106 | 44 | 1.0106 | 44 | 1.0106 | 44 | 1.0110 | 42 | 1.0122 |
| January 5, 2 p. m. | High | Clear | NW. | 50 | 46 | 1.0104 | 46 | 1.0104 | 46 | 1.0106 | 45 | 1.0108 | 42 | 1.0112 | 42 | 1.0122 |
| January 6, 9.30 a. m. | Low | Clear | NW. | 38 | 41 | 1.0106 | 40 | 1.0108 | 40 | 1.0104 | 40 | 1.0110 | 40 | 1.0114 | 40 | 1.0118 |
| January 6, 3.30 p. m. | High | Cloudy | NW. | 44 | 45 | 1.0106 | 42 | 1.0106 | 42 | 1.0106 | 42 | 1.0110 | 42 | 1.0118 | 43 | 1.0120 |
| January 7, 10.15 a. m. | Low | Cloudy | NW. | 30 | 38 | 1.0114 | 37 | 1.0104 | 36 | 1.0100 | 38 | 1.0114 | 36 | 1.0114 | 37 | 1.0114 |
| January 7, 4.15 p. m. | High | Clear | NW. | 34 | 36 | 1.0114 | 36 | 1.0110 | 38 | 1.0110 | 38 | 1.0114 | 38 | 1.0114 | 38 | 1.0114 |
| January 8, 11 a. m. | Low | Cloudy | NE. | 30 | 34 | 1.0110 | 34 | 1.0106 | 34 | 1.0106 | 34 | 1.0110 | 34 | 1.0110 | 34 | 1.0116 |
| January 8, 5 p. m. | High | Snow | NE. | 30 | 34 | 1.0114 | 34 | 1.0106 | 34 | 1.0106 | 34 | 1.0114 | 34 | 1.0114 | 34 | 1.0116 |
| January 9, 12 m. | Low | Clear | NW. | 22 | 31 | 1.0100 | 31 | 1.0100 | 31 | 1.0102 | 32 | 1.0104 | 33 | 1.0110 | 33 | 1.0110 |
| January 9, 6 p. m. | High | Clear | NW. | 20 | 31 | 1.0100 | 31 | 1.0100 | 31 | 1.0102 | 31 | 1.0104 | 31 | 1.0106 | 31 | 1.0106 |
| January 17, 10 a. m. | High | Clear | NW. | 32 | | | | | | | | | 33 | 1.0100 | 34 | 1.0100 |
| January 17, 4 p. m. | Low | Clear | NW. | 32 | | | | | | | | | 34 | 1.0100 | 34 | 1.0100 |
| January 18, 11 a. m. | High | Clear | E. | 38 | | | | | | | | | 35 | 1.0100 | 35 | 1.0100 |
| January 18, 5 p. m. | Low | Clear | E. | 35 | | | | | | | | | 36 | 1.0100 | 36 | 1.0100 |
| January 19, 12 m. | High | Rain | SW. | 38 | | | | | | | | | 38 | 1.0098 | 36 | 1.0098 |
| January 19, 6 p. m. | Low | Rain | SW. | 40 | | | | | | | | | 38 | 1.0096 | 38 | 1.0096 |
| January 20, 7 a. m. | Low | Clear | NE. | 32 | | | | | | | | | 36 | 1.0096 | 36 | 1.0094 |
| January 20, 1 p. m. | High | Clear | NE. | 37 | 1.0050 | | | | | | | | 35 | 1.0096 | 35 | 1.0096 |
| January 21, 8.30 a. m. | Low | Rain | SE. | 32 | 40 | 1.0070 | | | | | | | 40 | 1.0074 | 40 | 1.0074 |
| January 21, 2.30 p. m. | High | Rain | SW. | 40 | 40 | 1.0060 | | | | | | | 40 | 1.0070 | 40 | 1.0070 |
| January 22, 10 a. m. | Low | Clear | NE. | 35 | 38 | 1.0070 | 38 | 1.0070 | 38 | 1.0070 | 36 | 1.0076 | 36 | 1.0092 | 57 | 1.0092 |
| January 22, 4 p. m. | High | Clear | E. | 45 | 40 | 1.0480 | 36 | 1.0070 | 36 | 1.0072 | 37 | 1.0078 | 37 | 1.0078 | 37 | 1.0068 |
| January 23, 11 a. m. | Low | Clear | NE. | 32 | 36 | 1.0076 | 33 | 1.0070 | 33 | 1.0070 | 34 | 1.0086 | 33 | 1.0090 | 34 | 1.0090 |
| January 23, 5 p. m. | High | Clear | NE. | 30 | 33 | 1.0070 | 33 | 1.0070 | 33 | 1.0070 | 33 | 1.0080 | 32 | 1.0092 | 32 | 1.0092 |
| January 27, 8 a. m. | High | Rain | NE. | 38 | 35 | 1.0064 | 35 | 1.0074 | 34 | 1.0070 | 35 | 1.0088 | 35 | 1.0068 | 34 | 1.0083 |

| | | | | | | | | | | | | | | | | | |
|--------------------------|------|--------|-----|----|----|--------|----|--------|----|--------|----|--------|----|--------|----|--------|----|
| January 27, 2 p. m. | Low | Rain | NE. | 38 | 34 | 1.0080 | 34 | 1.0074 | 34 | 1.0070 | 36 | 1.0088 | 36 | 1.0088 | 36 | 1.0088 | 36 |
| January 28, 9 a. m. | High | Rain | N. | 38 | 35 | 1.0020 | 35 | 1.0060 | 35 | 1.0060 | 36 | 1.0084 | 36 | 1.0068 | 40 | 1.0080 | 40 |
| January 28, 3 p. m. | Low | Rain | NE. | 38 | 35 | 1.0020 | 35 | 1.0069 | 35 | 1.0060 | 35 | 1.0070 | 35 | 1.0068 | 37 | 1.0080 | 37 |
| January 29, 10 a. m. | High | Cloudy | NE. | 42 | 40 | 1.0060 | 40 | 1.0050 | 40 | 1.0050 | 40 | 1.0080 | 39 | 1.0090 | 38 | 1.0082 | 38 |
| January 29, 3:30 p. m. | Low | Cloudy | NE. | 45 | 38 | 1.0050 | 38 | 1.0050 | 38 | 1.0040 | 40 | 1.0070 | 40 | 1.0080 | 40 | 1.0092 | 40 |
| January 30, 11 a. m. | High | Snow | NE. | 32 | 37 | 1.0040 | 35 | 1.0060 | 37 | 1.0018 | 37 | 1.0088 | 35 | 1.0088 | 35 | 1.0090 | 35 |
| January 30, 4:30 p. m. | Low | Snow | NW. | 32 | 35 | 1.0040 | 35 | 1.0050 | 35 | 1.0020 | 36 | 1.0080 | 37 | 1.0080 | 37 | 1.0090 | 37 |
| January 31, 12 m. | High | Clear | NW. | 40 | 35 | 1.0060 | 35 | 1.0070 | 33 | 1.0076 | 33 | 1.0090 | 33 | 1.0090 | 33 | 1.0090 | 33 |
| January 31, 5:30 p. m. | Low | Cloudy | SW. | 37 | 35 | 1.0070 | 35 | 1.0070 | 35 | 1.0078 | 35 | 1.0088 | 36 | 1.0090 | 36 | 1.0090 | 36 |
| February 1, 12:30 p. m. | High | Cloudy | N. | 32 | 35 | 1.0034 | 34 | 1.0066 | 34 | 1.0042 | 35 | 1.0090 | 35 | 1.0090 | 35 | 1.0090 | 35 |
| February 1, 6 p. m. | Low | Cloudy | N. | 32 | 35 | 1.0040 | 35 | 1.0066 | 35 | 1.0040 | 35 | 1.0090 | 35 | 1.0090 | 35 | 1.0090 | 35 |
| February 2, 6:30 a. m. | Low | Clear | SW. | 28 | 31 | 1.0064 | 26 | 1.0074 | 33 | 1.0066 | 33 | 1.0080 | 33 | 1.0090 | 35 | 1.0098 | 35 |
| February 2, 1 p. m. | High | Clear | SW. | 36 | 34 | 1.0064 | 26 | 1.0070 | 33 | 1.0070 | 33 | 1.0090 | 33 | 1.0090 | 35 | 1.0098 | 35 |
| February 3, 10 a. m.† | High | Rain | SW. | 45 | 42 | 1.0010 | 42 | 1.0010 | 42 | 1.0010 | 42 | 1.0010 | 42 | 1.0030 | 40 | 1.0040 | 40 |
| February 3, 13, 4 p. m. | Low | Rain | SW. | 45 | 43 | 1.0010 | 43 | 1.0010 | 43 | 1.0010 | 43 | 1.0010 | 43 | 1.0040 | 45 | 1.0104 | 45 |
| February 3, 14, 11 a. m. | High | Clear | SW. | 57 | 44 | 1.0060 | 44 | 1.0040 | 42 | 1.0040 | 44 | 1.0070 | 44 | 1.0080 | 44 | 1.0084 | 44 |
| February 3, 14, 5 p. m. | Low | Clear | S. | 53 | 45 | 1.0050 | 45 | 1.0040 | 45 | 1.0092 | 46 | 1.0092 | 46 | 1.0090 | 46 | 1.0094 | 46 |
| February 15, 12 m. | High | Clear | S. | 54 | 45 | 1.0092 | 44 | 1.0092 | 44 | 1.0090 | 46 | 1.0092 | 46 | 1.0090 | 46 | 1.0094 | 46 |
| February 15, 6 p. m. | Low | Cloudy | SW. | 53 | 44 | 1.0090 | 46 | 1.0090 | 46 | 1.0090 | 46 | 1.0088 | 46 | 1.0090 | 46 | 1.0094 | 46 |
| February 16, 7 a. m. | High | Clear | NW. | 35 | 44 | 1.0084 | 43 | 1.0088 | 43 | 1.0088 | 43 | 1.0084 | 41 | 1.0108 | 41 | 1.0108 | 41 |
| February 16, 1 p. m. | Low | Clear | NW. | 38 | 44 | 1.0094 | 44 | 1.0090 | 44 | 1.0090 | 44 | 1.0094 | 44 | 1.0098 | 45 | 1.0108 | 45 |
| February 17, 8 a. m. | Low | Cloudy | NE. | 32 | 38 | 1.0098 | 35 | 1.0094 | 35 | 1.0094 | 35 | 1.0088 | 36 | 1.0104 | 36 | 1.0104 | 36 |
| February 17, 2 p. m. | High | Snow | NE. | 36 | 38 | 1.0104 | 35 | 1.0104 | 35 | 1.0104 | 34 | 1.0104 | 35 | 1.0104 | 35 | 1.0104 | 35 |
| February 18, 9 a. m. | Low | Clear | S. | 38 | 38 | 1.0112 | 38 | 1.0094 | 37 | 1.0100 | 36 | 1.0116 | 36 | 1.0116 | 40 | 1.0114 | 40 |
| February 18, 3 p. m. | High | Clear | S. | 45 | 37 | 1.0116 | 37 | 1.0110 | 37 | 1.0110 | 38 | 1.0110 | 37 | 1.0118 | 42 | 1.0116 | 42 |
| February 19, 10 a. m. | Low | Clear | SW. | 40 | 42 | 1.0112 | 42 | 1.0110 | 42 | 1.0110 | 42 | 1.0112 | 42 | 1.0112 | 46 | 1.0112 | 46 |
| February 19, 4 p. m. | High | Clear | SW. | 48 | 42 | 1.0112 | 42 | 1.0112 | 41 | 1.0112 | 41 | 1.0112 | 41 | 1.0112 | 48 | 1.0114 | 48 |
| February 20, 10 a. m. | Low | Clear | NW. | 45 | 36 | 1.0116 | 40 | 1.0094 | 39 | 1.0100 | 36 | 1.0114 | 39 | 1.0118 | 40 | 1.0116 | 40 |
| February 20, 4:15 p. m. | High | Cloudy | NW. | 30 | 40 | 1.0116 | 36 | 1.0106 | 36 | 1.0110 | 36 | 1.0116 | 38 | 1.0116 | 36 | 1.0116 | 36 |
| February 21, 10:15 a. m. | Low | Clear | NW. | 32 | 42 | 1.0112 | 42 | 1.0110 | 42 | 1.0110 | 42 | 1.0112 | 41 | 1.0112 | 46 | 1.0112 | 46 |
| February 21, 4:30 p. m. | High | Clear | NW. | 36 | 42 | 1.0112 | 40 | 1.0110 | 40 | 1.0110 | 41 | 1.0110 | 40 | 1.0112 | 44 | 1.0112 | 44 |
| February 22, 11 a. m. | Low | Clear | NW. | 40 | 42 | 1.0110 | 40 | 1.0108 | 42 | 1.0100 | 41 | 1.0110 | 40 | 1.0112 | 44 | 1.0114 | 44 |
| February 22, 5 p. m. | High | Clear | SW. | 42 | 42 | 1.0110 | 42 | 1.0110 | 41 | 1.0108 | 40 | 1.0112 | 42 | 1.0112 | 44 | 1.0114 | 44 |
| February 23, 12 m. | Low | Clear | NE. | 40 | 42 | 1.0118 | 42 | 1.0168 | 42 | 1.0112 | 42 | 1.0112 | 44 | 1.0114 | 44 | 1.0114 | 44 |
| February 23, 6 p. m. | High | Clear | E. | 40 | 42 | 1.0118 | 42 | 1.0168 | 42 | 1.0112 | 42 | 1.0112 | 42 | 1.0114 | 44 | 1.0114 | 44 |
| February 24, 7 a. m. | High | Clear | W. | 36 | 42 | 1.0114 | 40 | 1.0110 | 40 | 1.0110 | 40 | 1.0112 | 40 | 1.0110 | 42 | 1.0114 | 42 |
| February 24, 1 p. m. | Low | Cloudy | SW. | 45 | 41 | 1.0112 | 42 | 1.0110 | 42 | 1.0110 | 42 | 1.0112 | 42 | 1.0112 | 44 | 1.0114 | 44 |
| February 25, 8 a. m. | High | Rain | S. | 50 | 44 | 1.0114 | 44 | 1.0110 | 44 | 1.0112 | 44 | 1.0110 | 44 | 1.0112 | 46 | 1.0114 | 46 |
| February 25, 2 p. m. | Low | Rain | SW. | 56 | 44 | 1.0114 | 45 | 1.0110 | 46 | 1.0110 | 44 | 1.0112 | 46 | 1.0112 | 46 | 1.0114 | 46 |
| February 26, 9 a. m. | High | Clear | N. | 28 | 38 | 1.0110 | 38 | 1.0114 | 38 | 1.0108 | 36 | 1.0114 | 38 | 1.0114 | 38 | 1.0116 | 38 |
| February 26, 3 p. m. | Low | Clear | N. | 29 | 36 | 1.0110 | 38 | 1.0108 | 36 | 1.0108 | 36 | 1.0110 | 36 | 1.0110 | 36 | 1.0110 | 36 |
| February 27, 9:30 a. m. | High | Clear | N. | 28 | 46 | 1.0100 | 48 | 1.0112 | 48 | 1.0080 | 48 | 1.0110 | 46 | 1.0104 | 48 | 1.0104 | 48 |
| February 27, 3:30 p. m. | Low | Clear | N. | 34 | 44 | 1.0098 | 44 | 1.0110 | 42 | 1.0100 | 42 | 1.0104 | 42 | 1.0104 | 44 | 1.0104 | 44 |
| February 28, 10 a. m. | High | Clear | N. | 30 | 42 | 1.0098 | 42 | 1.0110 | 42 | 1.0104 | 42 | 1.0104 | 42 | 1.0104 | 44 | 1.0108 | 44 |
| February 28, 4 p. m. | Low | Clear | NE. | 30 | 42 | 1.0098 | 43 | 1.0098 | 45 | 1.0098 | 45 | 1.0104 | 42 | 1.0104 | 44 | 1.0104 | 44 |
| March 1, 11 a. m. | High | Clear | NE. | 30 | 46 | 1.0098 | 46 | 1.0110 | 48 | 1.0106 | 46 | 1.0110 | 46 | 1.0110 | 48 | 1.0110 | 48 |
| March 1, 5 p. m. | Low | Clear | NW. | 30 | 46 | 1.0100 | 46 | 1.0110 | 46 | 1.0112 | 48 | 1.0110 | 48 | 1.0110 | 48 | 1.0112 | 48 |
| March 4, 12:30 p. m.‡ | High | Clear | NE. | 40 | 38 | 1.0110 | 40 | 1.0108 | 40 | 1.0104 | 38 | 1.0110 | 38 | 1.0112 | 38 | 1.0110 | 38 |
| March 4, 6:30 p. m. | Low | Clear | NE. | 34 | 38 | 1.0110 | 38 | 1.0110 | 38 | 1.0110 | 38 | 1.0112 | 38 | 1.0110 | 38 | 1.0110 | 38 |

* Everything frozen up and no record kept until the 17th, when the bay and deep ponds became free of ice. † Everything frozen up until 27th.
 ‡ Very heavy fall of snow and intensely cold weather; everything frozen up. § Creek and bay frozen on the 2d and 3d; no record kept.

Table of temperatures, weather, and densities of water at Saint Jerome Station from January 1, 1886, to November 7, 1886, 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. |
| 1886. | | | | o | o | o | o | o | o | o | o | o | o | o | o | o |
| March 5, 7 a. m. | Low | Clear | NE. | 34 | 38 | 1.0110 | 40 | 1.0106 | 38 | 1.0110 | 38 | 1.0108 | 40 | 1.0108 | 40 | 1.0110 |
| March 5, 1.30 p. m. | High | Clear | E. | 44 | 40 | 1.0110 | 40 | 1.0110 | 40 | 1.0110 | 40 | 1.0112 | 40 | 1.0112 | 40 | 1.0112 |
| March 6, 8 a. m. | Low | Clear | NE. | 38 | 44 | 1.0106 | 42 | 1.0106 | 42 | 1.0106 | 42 | 1.0106 | 42 | 1.0106 | 44 | 1.0106 |
| March 6, 2.30 p. m. | High | Clear | NE. | 44 | 42 | 1.0108 | 42 | 1.0106 | 43 | 1.0106 | 43 | 1.0108 | 44 | 1.0108 | 44 | 1.0106 |
| March 7, 8.30 a. m. | Low | Clear | NE. | 38 | 44 | 1.0106 | 42 | 1.0106 | 42 | 1.0106 | 42 | 1.0104 | 42 | 1.0104 | 44 | 1.0104 |
| March 7, 3 p. m. | High | Clear | NE. | 48 | 44 | 1.0106 | 44 | 1.0106 | 44 | 1.0106 | 44 | 1.0106 | 44 | 1.0106 | 44 | 1.0106 |
| March 8, 9.15 a. m. | Low | Snow | SW. | 38 | 40 | 1.0106 | 38 | 1.0106 | 38 | 1.0106 | 38 | 1.0104 | 38 | 1.0104 | 42 | 1.0104 |
| March 8, 3.45 p. m. | High | Clear | W. | 38 | 49 | 1.0108 | 40 | 1.0106 | 40 | 1.0106 | 40 | 1.0106 | 40 | 1.0106 | 40 | 1.0106 |
| March 9, 10 a. m. | Low | Clear | NE. | 42 | 46 | 1.0102 | 46 | 1.0102 | 46 | 1.0102 | 46 | 1.0100 | 46 | 1.0102 | 48 | 1.0102 |
| March 9, 4 p. m. | High | Clear | NE. | 48 | 46 | 1.0102 | 46 | 1.0100 | 47 | 1.0100 | 48 | 1.0100 | 48 | 1.0102 | 48 | 1.0102 |
| March 10, 10.30 a. m. | Low | Clear | N. | 44 | 44 | 1.0100 | 44 | 1.0100 | 42 | 1.0100 | 44 | 1.0100 | 44 | 1.0100 | 44 | 1.0100 |
| March 10, 5 p. m. | High | Clear | NE. | 44 | 44 | 1.0100 | 44 | 1.0100 | 44 | 1.0100 | 44 | 1.0100 | 44 | 1.0100 | 44 | 1.0100 |
| March 11, 11.15 a. m. | Low | Clear | NW. | 50 | 38 | 1.0100 | 40 | 1.0100 | 38 | 1.0100 | 38 | 1.0100 | 38 | 1.0100 | 38 | 1.0100 |
| March 11, 5.30 p. m. | High | Clear | NW. | 45 | 38 | 1.0100 | 38 | 1.0100 | 38 | 1.0100 | 38 | 1.0100 | 38 | 1.0100 | 38 | 1.0100 |
| March 12, 12 m. | Low | Rain | W. | 50 | 38 | 1.0100 | 42 | 1.0100 | 40 | 1.0100 | 40 | 1.0100 | 40 | 1.0100 | 40 | 1.0100 |
| March 12, 6 p. m. | High | Rain | W. | 42 | 40 | 1.0100 | 40 | 1.0100 | 40 | 1.0100 | 40 | 1.0100 | 40 | 1.0100 | 40 | 1.0100 |
| March 13, 7 a. m. | High | Rain | W. | 40 | 44 | 1.0100 | 44 | 1.0100 | 44 | 1.0100 | 44 | 1.0100 | 44 | 1.0100 | 44 | 1.0100 |
| March 13, 1 p. m. | Low | Cloudy | W. | 46 | 44 | 1.0100 | 44 | 1.0100 | 44 | 1.0100 | 44 | 1.0100 | 44 | 1.0100 | 44 | 1.0100 |
| March 14, 8 a. m. | High | Clear | SW. | 43 | 44 | 1.0100 | 44 | 1.0100 | 44 | 1.0100 | 44 | 1.0100 | 42 | 1.0100 | 42 | 1.0100 |
| March 14, 2 p. m. | Low | Clear | SW. | 50 | 44 | 1.0100 | 42 | 1.0100 | 42 | 1.0100 | 42 | 1.0100 | 42 | 1.0100 | 44 | 1.0102 |
| March 15, 9 a. m. | High | Clear | W. | 55 | 50 | 1.0100 | 48 | 1.0100 | 48 | 1.0100 | 48 | 1.0100 | 50 | 1.0100 | 50 | 1.0100 |
| March 15, 3 p. m. | Low | Clear | W. | 63 | 50 | 1.0100 | 50 | 1.0100 | 50 | 1.0100 | 50 | 1.0100 | 50 | 1.0100 | 50 | 1.0100 |
| March 16, 9.30 a. m. | High | Clear | NW. | 69 | 54 | 1.0104 | 56 | 1.0094 | 53 | 1.0094 | 53 | 1.0102 | 52 | 1.0102 | 52 | 1.0102 |
| March 16, 3.30 p. m. | Low | Clear | NE. | 70 | 58 | 1.0100 | 58 | 1.0100 | 58 | 1.0098 | 58 | 1.0098 | 56 | 1.0100 | 56 | 1.0100 |
| March 17, 10 a. m. | High | Clear | NE. | 45 | 47 | 1.0104 | 47 | 1.0100 | 47 | 1.0100 | 45 | 1.0104 | 45 | 1.0104 | 44 | 1.0100 |
| March 17, 4 p. m. | Low | Clear | NE. | 65 | 52 | 1.0100 | 53 | 1.0100 | 52 | 1.0100 | 51 | 1.0100 | 51 | 1.0100 | 50 | 1.0100 |
| March 18, 10.30 a. m. | High | Clear | SE. | 49 | 48 | 1.0102 | 47 | 1.0102 | 47 | 1.0102 | 48 | 1.0104 | 48 | 1.0106 | 50 | 1.0102 |
| March 18, 4.30 p. m. | Low | Clear | SE. | 55 | 50 | 1.0100 | 50 | 1.0100 | 50 | 1.0100 | 50 | 1.0102 | 50 | 1.0102 | 50 | 1.0102 |
| March 19, 11.30 a. m. | High | Cloudy | SE. | 54 | 50 | 1.0100 | 50 | 1.0100 | 50 | 1.0100 | 50 | 1.0100 | 50 | 1.0100 | 52 | 1.0102 |
| March 19, 5.30 p. m. | Low | Cloudy | SE. | 50 | 50 | 1.0100 | 50 | 1.0100 | 50 | 1.0100 | 50 | 1.0100 | 50 | 1.0100 | 54 | 1.0100 |
| March 20, 12.30 p. m. | High | Rain | SE. | 54 | 52 | 1.0100 | 52 | 1.0100 | 52 | 1.0100 | 52 | 1.0100 | 52 | 1.0104 | 53 | 1.0106 |
| March 20, 6.30 p. m. | Low | Rain | SE. | 50 | 52 | 1.0100 | 53 | 1.0100 | 53 | 1.0100 | 53 | 1.0100 | 53 | 1.0100 | 54 | 1.0100 |
| March 21, 7.30 a. m. | Low | Clear | W. | 50 | 54 | 1.0100 | 54 | 1.0100 | 54 | 1.0100 | 54 | 1.0100 | 54 | 1.0100 | 54 | 1.0100 |
| March 21, 1.30 p. m. | High | Clear | W. | 58 | 54 | 1.0100 | 54 | 1.0100 | 55 | 1.0100 | 56 | 1.0100 | 56 | 1.0100 | 56 | 1.0102 |
| March 22, 8.30 a. m. | Low | Clear | NW. | 48 | 50 | 1.0100 | 50 | 1.0100 | 50 | 1.0100 | 50 | 1.0100 | 50 | 1.0100 | 48 | 1.0104 |
| March 22, 2.30 p. m. | High | Clear | W. | 50 | 58 | 1.0100 | 56 | 1.0100 | 58 | 1.0104 | 58 | 1.0104 | 56 | 1.0110 | 56 | 1.0110 |
| March 23, 9.30 a. m. | Low | Clear | NW. | 38 | 45 | 1.0104 | 44 | 1.0102 | 44 | 1.0102 | 44 | 1.0104 | 45 | 1.0104 | 45 | 1.0106 |
| March 23, 3.30 p. m. | High | Clear | NW. | 40 | 44 | 1.0104 | 44 | 1.0104 | 44 | 1.0104 | 44 | 1.0104 | 44 | 1.0106 | 44 | 1.0106 |

Table of temperatures, weather, and densities of water at Saint Jerome Station from January 1, 1886, to November 7, 1886, 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 in the bay. | |
|----------------------|----------------|-------------------|--------------------|---------------------|-----------------|----------|------------------------|----------|-----------------|----------|-------------------|----------|
| | | | | | Temperature. | Density. | Temperature. | Density. | Temperature. | Density. | Temperature. | Density. |
| 1886. | | | | ° | ° | ° | ° | ° | ° | ° | ° | ° |
| July 1, 7.30 a. m. | Low | Stormy | E. | 70 | 70 | 1.0080 | 70 | 1.0080 | 70 | 1.0780 | 72 | 1.0080 |
| July 1, 1 p. m. | High | Stormy | SE. | 78 | 75 | 1.0080 | 76 | 1.0780 | 76 | 1.0600 | 76 | 1.0080 |
| July 2, 8 a. m. | Low | Stormy | SE. | 72 | 72 | 1.0080 | 72 | 1.0080 | 72 | 1.0780 | 72 | 1.0080 |
| July 2, 2 p. m. | High | Stormy | SE. | 82 | 78 | 1.0680 | 78 | 1.0680 | 78 | 1.0070 | 78 | 1.0070 |
| July 3, 9 a. m. | Low | Clear | NW. | 74 | 74 | 1.0080 | 74 | 1.0080 | 74 | 1.0760 | 74 | 1.0760 |
| July 3, 3 p. m. | High | Clear | NW. | 74 | 75 | 1.0080 | 75 | 1.0080 | 75 | 1.0780 | 75 | 1.0740 |
| July 4, 10 a. m. | Low | Clear | NW. | 75 | 74 | 1.0070 | 74 | 1.0070 | 74 | 1.0070 | 74 | 1.0070 |
| July 4, 4 p. m. | High | Clear | NW. | 78 | 74 | 1.0070 | 75 | 1.0070 | 75 | 1.0068 | 75 | 1.0068 |
| July 5, 11 a. m. | Low | Clear | SE. | 74 | 76 | 1.0076 | 76 | 1.0076 | 76 | 1.0076 | 76 | 1.0076 |
| July 5, 5 p. m. | High | Clear | SE. | 78 | 82 | 1.0064 | 82 | 1.0066 | 82 | 1.0066 | 82 | 1.0066 |
| July 6, 12 m. | Low | Clear | SE. | 74 | 75 | 1.0074 | 75 | 1.0070 | 75 | 1.0072 | 75 | 1.0074 |
| July 6, 6 p. m. | High | Clear | SE. | 80 | 82 | 1.0082 | 82 | 1.0060 | 82 | 1.0060 | 82 | 1.0060 |
| July 7, 7 a. m. | High | Clear | W. | 82 | 80 | 1.0070 | 80 | 1.0064 | 80 | 1.0064 | 80 | 1.0068 |
| July 7, 1 p. m. | Low | Clear | SW. | 87 | 82 | 1.0058 | 82 | 1.0058 | 82 | 1.0064 | 82 | 1.0062 |
| July 8, 8 a. m. | High | Clear | E. | 80 | 80 | 1.0070 | 80 | 1.0070 | 80 | 1.0072 | 80 | 1.0080 |
| July 8, 2 p. m. | Low | Clear | E. | 84 | 82 | 1.0060 | 82 | 1.0060 | 82 | 1.0064 | 82 | 1.0064 |
| July 9, 9 a. m. | High | Clear | NW. | 75 | 75 | 1.0074 | 75 | 1.0066 | 75 | 1.0076 | 75 | 1.0076 |
| July 9, 3 p. m. | Low | Clear | NW. | 80 | 85 | 1.0060 | 85 | 1.0060 | 85 | 1.0060 | 85 | 1.0060 |
| July 10, 9.30 a. m. | High | Clear | W. | 79 | 80 | 1.0074 | 80 | 1.0070 | 80 | 1.0070 | 80 | 1.0064 |
| July 10, 3.30 p. m. | Low | Clear | W. | 85 | 82 | 1.0060 | 82 | 1.0060 | 82 | 1.0060 | 82 | 1.0060 |
| July 11, 10 a. m. | High | Clear | SE. | 78 | 81 | 1.0064 | 81 | 1.0060 | 81 | 1.0064 | 81 | 1.0064 |
| July 11, 4 p. m. | Low | Clear | E. | 81 | 84 | 1.0052 | 84 | 1.0052 | 84 | 1.0058 | 84 | 1.0060 |
| July 12, 10.30 a. m. | High | Clear | E. | 75 | 80 | 1.0070 | 80 | 1.0066 | 80 | 1.0064 | 80 | 1.0066 |
| July 12, 4.30 p. m. | Low | Clear | E. | 79 | 82 | 1.0060 | 82 | 1.0068 | 82 | 1.0062 | 82 | 1.0062 |
| July 13, 11 a. m. | High | Cloudy | SW. | 74 | 75 | 1.0060 | 75 | 1.0062 | 75 | 1.0054 | 75 | 1.0074 |
| July 13, 5 p. m. | Low | Rain | SW. | 75 | 80 | 1.0060 | 80 | 1.0052 | 80 | 1.0048 | 80 | 1.0064 |
| July 14, 11.30 a. m. | High | Stormy | SW. | 76 | 76 | 1.0062 | 76 | 1.0070 | 76 | 1.0062 | 76 | 1.0066 |
| July 14, 5.30 p. m. | Low | Stormy | SW. | 72 | 76 | 1.0054 | 76 | 1.0062 | 76 | 1.0062 | 76 | 1.0064 |
| July 15, 12.15 p. m. | High | Cloudy | SE. | 75 | 78 | 1.0072 | 78 | 1.0072 | 78 | 1.0074 | 78 | 1.0070 |
| July 15, 6.15 p. m. | Low | Cloudy | SE. | 72 | 76 | 1.0062 | 76 | 1.0070 | 76 | 1.0050 | 76 | 1.0070 |
| July 16, 7 a. m. | Low | Clear | S. | 70 | 74 | 1.0052 | 74 | 1.0064 | 74 | 1.0064 | 74 | 1.0084 |
| July 16, 1 p. m. | High | Clear | S. | 78 | 78 | 1.0058 | 78 | 1.0060 | 78 | 1.0062 | 78 | 1.0080 |
| July 17, 8 a. m. | Low | Clear | W. | 75 | 78 | 1.0064 | 78 | 1.0060 | 78 | 1.0060 | 78 | 1.0070 |
| July 17, 2 p. m. | High | Clear | W. | 80 | 82 | 1.0060 | 82 | 1.0054 | 82 | 1.0060 | 82 | 1.0062 |
| July 18, 9 a. m. | Low | Clear | SW. | 78 | 80 | 1.0060 | 80 | 1.0060 | 80 | 1.0060 | 80 | 1.0084 |
| July 18, 3 p. m. | High | Clear | SW. | 82 | 84 | 1.0050 | 84 | 1.0056 | 84 | 1.0058 | 84 | 1.0062 |
| July 19, 10 a. m. | Low | Clear | NE. | 77 | 75 | 1.0070 | 75 | 1.0070 | 75 | 1.0072 | 75 | 1.0070 |
| July 19, 4 p. m. | High | Clear | NE. | 80 | 84 | 1.0064 | 84 | 1.0066 | 84 | 1.0074 | 84 | 1.0070 |

| | | | | | | | | | | | | |
|----------------------|------|--------|-----|----|----|--------|----|--------|----|--------|----|--------|
| July 20, 11 a.m. | Low | Clear | SE. | 78 | 80 | 1.0084 | 80 | 1.0070 | 80 | 1.0084 | 80 | 1.0070 |
| July 20, 5 p.m. | High | Clear | S. | 82 | 82 | 1.0.82 | 82 | 1.0060 | 82 | 1.0068 | 82 | 1.0068 |
| July 21, 12 m. | Low | Clear | SW. | 73 | 78 | 1.0072 | 78 | 1.0078 | 78 | 1.0074 | 78 | 1.0080 |
| July 21, 12 m. | High | Clear | NW. | 76 | 78 | 1.0070 | 78 | 1.0070 | 78 | 1.0070 | 78 | 1.0074 |
| July 21, 6 p.m. | High | Clear | W. | 74 | 77 | 1.0078 | 77 | 1.0072 | 77 | 1.0074 | 77 | 1.0078 |
| July 22, 7 a.m. | Low | Clear | W. | 82 | 84 | 1.0082 | 84 | 1.0080 | 81 | 1.0070 | 84 | 1.0084 |
| July 22, 12.30 p.m. | High | Clear | SE. | 75 | 76 | 1.0074 | 76 | 1.0074 | 76 | 1.0074 | 76 | 1.0074 |
| July 23, 7.15 a.m. | Low | Cloudy | SE. | 80 | 82 | 1.0061 | 82 | 1.0066 | 82 | 1.0066 | 82 | 1.0072 |
| July 23, 12.45 p.m. | High | Clear | S. | 75 | 76 | 1.0082 | 76 | 1.0078 | 76 | 1.0084 | 76 | 1.0082 |
| July 24, 7.30 a.m. | Low | Clear | S. | 76 | 84 | 1.0078 | 84 | 1.0070 | 84 | 1.0070 | 84 | 1.0072 |
| July 24, 1 p.m. | High | Clear | S. | 75 | 74 | 1.0080 | 74 | 1.0080 | 74 | 1.0082 | 74 | 1.0082 |
| July 25, 8 a.m. | Low | Clear | S. | 80 | 80 | 1.0070 | 80 | 1.0072 | 80 | 1.0070 | 80 | 1.0074 |
| July 25, 1.30 p.m. | High | Clear | S. | 80 | 80 | 1.0080 | 80 | 1.0080 | 80 | 1.0076 | 80 | 1.0072 |
| July 26, 9 a.m. | Low | Cloudy | S. | 82 | 84 | 1.0070 | 84 | 1.0070 | 84 | 1.0072 | 84 | 1.0072 |
| July 26, 3 p.m. | High | Clear | S. | 78 | 80 | 1.0072 | 80 | 1.0072 | 80 | 1.0070 | 80 | 1.0072 |
| July 27, 10 a.m. | Low | Clear | S. | 82 | 84 | 1.0.72 | 81 | 1.0070 | 84 | 1.0072 | 81 | 1.0086 |
| July 27, 4 p.m. | High | Clear | SE. | 80 | 80 | 1.0074 | 80 | 1.0074 | 80 | 1.0072 | 80 | 1.0076 |
| July 28, 10.30 a.m. | Low | Clear | SW. | 86 | 86 | 1.0084 | 86 | 1.0084 | 86 | 1.0086 | 86 | 1.0088 |
| July 28, 4.30 p.m. | High | Clear | SW. | 82 | 80 | 1.0072 | 80 | 1.0074 | 80 | 1.0074 | 80 | 1.0070 |
| July 29, 11 a.m. | Low | Clear | SW. | 85 | 88 | 1.0081 | 88 | 1.0084 | 88 | 1.0084 | 88 | 1.0082 |
| July 29, 5 p.m. | High | Clear | SW. | 88 | 88 | 1.0083 | 88 | 1.0084 | 88 | 1.0072 | 88 | 1.0070 |
| July 30, 12 m. | Low | Clear | SE. | 82 | 82 | 1.0080 | 82 | 1.0080 | 82 | 1.0084 | 82 | 1.0080 |
| July 30, 6 p.m. | High | Cloudy | SE. | 89 | 89 | 1.0086 | 89 | 1.0086 | 89 | 1.0070 | 89 | 1.0070 |
| July 31, 1 p.m. | Low | Cloudy | SW. | 80 | 85 | 1.0080 | 85 | 1.0086 | 85 | 1.0086 | 85 | 1.0086 |
| July 31, 7 p.m. | Low | Clear | SW. | 77 | 77 | 1.0076 | 77 | 1.0.76 | 77 | 1.0076 | 77 | 1.0080 |
| August 1, 8 a.m. | High | Cloudy | SW. | 82 | 84 | 1.0070 | 84 | 1.0070 | 84 | 1.0076 | 84 | 1.0076 |
| August 1, 2 p.m. | Low | Clear | NW. | 78 | 78 | 1.0072 | 78 | 1.0072 | 78 | 1.0072 | 78 | 1.0078 |
| August 2, 9 a.m. | High | Clear | NW. | 84 | 82 | 1.0070 | 82 | 1.0070 | 82 | 1.0070 | 82 | 1.0076 |
| August 2, 3 p.m. | Low | Clear | NE. | 77 | 78 | 1.0086 | 78 | 1.0082 | 78 | 1.0084 | 78 | 1.0086 |
| August 3, 10 a.m. | High | Clear | SE. | 73 | 78 | 1.0080 | 78 | 1.0076 | 78 | 1.0078 | 78 | 1.0078 |
| August 3, 4 p.m. | Low | Clear | E. | 77 | 73 | 1.0086 | 73 | 1.0086 | 73 | 1.0080 | 73 | 1.0080 |
| August 4, 11 a.m. | High | Clear | SE. | 70 | 80 | 1.0076 | 80 | 1.0078 | 80 | 1.0080 | 80 | 1.0078 |
| August 4, 5 p.m. | Low | Clear | SW. | 76 | 75 | 1.0084 | 75 | 1.0082 | 75 | 1.0082 | 75 | 1.0082 |
| August 5, 12 m. | High | Cloudy | SW. | 72 | 78 | 1.0074 | 78 | 1.0078 | 78 | 1.0080 | 78 | 1.0080 |
| August 5, 6 p.m. | High | Rain | SW. | 72 | 73 | 1.0082 | 73 | 1.0078 | 73 | 1.0090 | 73 | 1.0086 |
| August 6, 7 a.m. | Low | Rain | SW. | 73 | 76 | 1.0070 | 76 | 1.0080 | 76 | 1.0080 | 76 | 1.0088 |
| August 6, 12.30 p.m. | High | Rain | NE. | 72 | 74 | 1.0082 | 74 | 1.0080 | 74 | 1.0078 | 74 | 1.0080 |
| August 7, 8 a.m. | Low | Cloudy | NE. | 77 | 76 | 1.0070 | 76 | 1.0078 | 76 | 1.0088 | 76 | 1.0080 |
| August 7, 1 p.m. | High | Clear | NW. | 72 | 74 | 1.0082 | 74 | 1.0080 | 74 | 1.0078 | 74 | 1.0080 |
| August 8, 8.30 a.m. | Low | Clear | NW. | 76 | 82 | 1.0070 | 82 | 1.0070 | 82 | 1.0088 | 82 | 1.0070 |
| August 8, 2 p.m. | High | Cloudy | SW. | 74 | 75 | 1.0078 | 75 | 1.0078 | 75 | 1.0080 | 75 | 1.0082 |
| August 9, 10 a.m. | Low | Clear | SW. | 76 | 78 | 1.0070 | 78 | 1.0080 | 78 | 1.0078 | 78 | 1.0078 |
| August 9, 4 p.m. | High | Rain | SW. | 78 | 78 | 1.0074 | 78 | 1.0074 | 78 | 1.0070 | 78 | 1.0070 |
| August 10, 11 a.m. | Low | Cloudy | SW. | 80 | 80 | 1.0070 | 80 | 1.0072 | 80 | 1.0070 | 80 | 1.0070 |
| August 10, 5 p.m. | High | Cloudy | W. | 82 | 82 | 1.0070 | 82 | 1.0080 | 82 | 1.0082 | 82 | 1.0086 |
| August 11, 12 m. | Low | Clear | W. | 84 | 82 | 1.0080 | 82 | 1.0080 | 82 | 1.0082 | 82 | 1.0084 |
| August 11, 6 p.m. | Low | Clear | E. | 76 | 75 | 1.0076 | 75 | 1.0076 | 75 | 1.0084 | 75 | 1.0082 |
| August 12, 7 a.m. | High | Clear | E. | 85 | 86 | 1.0086 | 86 | 1.0080 | 86 | 1.0.80 | 86 | 1.0086 |
| August 12, 1 p.m. | Low | Clear | SE. | 80 | 82 | 1.0076 | 82 | 1.0082 | 82 | 1.0072 | 82 | 1.0070 |
| August 13, 8 a.m. | High | Clear | SE. | 82 | 80 | 1.0072 | 80 | 1.0088 | 80 | 1.0070 | 80 | 1.0084 |
| August 13, 2 p.m. | Low | Rain | W. | 78 | 80 | 1.0076 | 80 | 1.0070 | 80 | 1.0078 | 80 | 1.0080 |
| August 14, 9 a.m. | High | Clear | W. | 82 | 80 | 1.0074 | 80 | 1.0070 | 80 | 1.0072 | 80 | 1.0074 |

Table of temperatures, weather, and densities of water at Saint Jerome Station from January 1, 1886, to November 7, 1886, 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 in the bay. | |
|------------------------|----------------|-------------------|--------------------|---------------------|-----------------|----------|------------------------|----------|-----------------|----------|-------------------|----------|
| | | | | | Temperature. | Density. | Temperature. | Density. | Temperature. | Density. | Temperature. | Density. |
| 1886. | | | | | | | | | | | | |
| August 15, 10 a. m. | Low | Clear | SW. | 76 | 80 | 1.0076 | 1.0076 | 1.0076 | 1.0076 | 1.0076 | 1.0076 | 1.0076 |
| August 15, 4 p. m. | High | Clear | W. | 80 | 82 | 1.0074 | 1.0074 | 1.0074 | 1.0074 | 1.0074 | 1.0074 | 1.0074 |
| August 16, 10.15 a. m. | Low | Cloudy | W. | 76 | 74 | 1.0074 | 1.0074 | 1.0074 | 1.0074 | 1.0074 | 1.0074 | 1.0074 |
| August 16, 4.15 p. m. | High | Cloudy | W. | 80 | 82 | 1.0072 | 1.0072 | 1.0070 | 1.0072 | 1.0066 | 1.0078 | 1.0070 |
| August 17, 10.30 a. m. | Low | Clear | W. | 83 | 84 | 1.0074 | 1.0074 | 1.0070 | 1.0074 | 1.0066 | 1.0078 | 1.0070 |
| August 17, 4.30 p. m. | High | Clear | W. | 86 | 84 | 1.0064 | 1.0064 | 1.0061 | 1.0062 | 1.0062 | 1.0070 | 1.0070 |
| August 18, 11 a. m. | Low | Rain | SE. | 72 | 76 | 1.0074 | 1.0074 | 1.0074 | 1.0074 | 1.0070 | 1.0082 | 1.0082 |
| August 18, 5 p. m. | High | Rain | E. | 72 | 76 | 1.0078 | 1.0078 | 1.0080 | 1.0082 | 1.0078 | 1.0094 | 1.0094 |
| August 19, 11.45 a. m. | Low | Clear | NE. | 76 | 77 | 1.0080 | 1.0080 | 1.0080 | 1.0078 | 1.0078 | 1.0080 | 1.0080 |
| August 19, 5.45 p. m. | High | Clear | NE. | 74 | 75 | 1.0082 | 1.0084 | 1.0084 | 1.0084 | 1.0084 | 1.0086 | 1.0086 |
| August 20, 12.30 p. m. | Low | Clear | NE. | 72 | 71 | 1.0090 | 1.0086 | 1.0086 | 1.0086 | 1.0086 | 1.0090 | 1.0090 |
| August 20, 7 p. m. | High | Clear | NE. | 74 | 75 | 1.0082 | 1.0080 | 1.0080 | 1.0082 | 1.0082 | 1.0080 | 1.0080 |
| August 21, 8 a. m. | High | Clear | E. | 72 | 72 | 1.0088 | 1.0080 | 1.0080 | 1.0082 | 1.0082 | 1.0082 | 1.0082 |
| August 21, 2 p. m. | Low | Clear | E. | 78 | 80 | 1.0072 | 1.0084 | 1.0084 | 1.0080 | 1.0080 | 1.0080 | 1.0080 |
| August 22, 8.30 a. m. | High | Clear | NE. | 68 | 70 | 1.0080 | 1.0080 | 1.0080 | 1.0082 | 1.0082 | 1.0080 | 1.0080 |
| August 22, 2.30 p. m. | Low | Clear | NE. | 74 | 78 | 1.0084 | 1.0084 | 1.0080 | 1.0082 | 1.0080 | 1.0094 | 1.0094 |
| August 23, 9 a. m. | High | Cloudy | E. | 80 | 82 | 1.0072 | 1.0074 | 1.0074 | 1.0074 | 1.0074 | 1.0074 | 1.0074 |
| August 23, 3 p. m. | Low | Cloudy | E. | 84 | 85 | 1.0074 | 1.0066 | 1.0066 | 1.0062 | 1.0062 | 1.0072 | 1.0072 |
| August 24, 9.30 a. m. | High | Clear | E. | 80 | 82 | 1.0070 | 1.0074 | 1.0074 | 1.0074 | 1.0074 | 1.0080 | 1.0080 |
| August 24, 3.30 p. m. | Low | Clear | E. | 82 | 84 | 1.0070 | 1.0076 | 1.0076 | 1.0074 | 1.0074 | 1.0072 | 1.0072 |
| August 25, 10 a. m. | High | Clear | E. | 82 | 84 | 1.0074 | 1.0070 | 1.0070 | 1.0072 | 1.0072 | 1.0076 | 1.0076 |
| August 25, 4 p. m. | Low | Clear | E. | 84 | 84 | 1.0076 | 1.0074 | 1.0074 | 1.0074 | 1.0074 | 1.0076 | 1.0076 |
| August 26, 10.30 a. m. | High | Clear | SW. | 88 | 86 | 1.0074 | 1.0074 | 1.0074 | 1.0070 | 1.0070 | 1.0068 | 1.0068 |
| August 26, 4.30 p. m. | Low | Clear | SW. | 90 | 88 | 1.0074 | 1.0072 | 1.0072 | 1.0072 | 1.0072 | 1.0066 | 1.0066 |
| August 27, 11.20 a. m. | High | Clear | S. | 84 | 86 | 1.0070 | 1.0074 | 1.0074 | 1.0074 | 1.0074 | 1.0068 | 1.0068 |
| August 27, 5 p. m. | Low | Clear | S. | 86 | 83 | 1.0074 | 1.0074 | 1.0074 | 1.0070 | 1.0070 | 1.0068 | 1.0068 |
| August 28, 12 m. | High | Clear | S. | 84 | 86 | 1.0074 | 1.0074 | 1.0074 | 1.0074 | 1.0074 | 1.0072 | 1.0072 |
| August 28, 6 p. m. | Low | Clear | SW. | 82 | 84 | 1.0072 | 1.0072 | 1.0072 | 1.0070 | 1.0070 | 1.0070 | 1.0070 |
| August 29, 7 a. m. | Low | Clear | SW. | 82 | 84 | 1.0070 | 1.0074 | 1.0074 | 1.0074 | 1.0074 | 1.0074 | 1.0074 |
| August 29, 1 p. m. | High | Clear | SW. | 86 | 86 | 1.0070 | 1.0070 | 1.0070 | 1.0070 | 1.0070 | 1.0068 | 1.0068 |
| August 30, 8 a. m. | Low | Clear | SW. | 71 | 74 | 1.0084 | 1.0084 | 1.0084 | 1.0084 | 1.0084 | 1.0088 | 1.0088 |
| August 30, 2 p. m. | High | Cloudy | SW. | 80 | 78 | 1.0078 | 1.0080 | 1.0080 | 1.0078 | 1.0078 | 1.0078 | 1.0078 |
| August 31, 9 a. m. | Low | Rain | NE. | 76 | 76 | 1.0084 | 1.0072 | 1.0072 | 1.0080 | 1.0080 | 1.0080 | 1.0080 |
| August 31, 3 p. m. | High | Rain | NE. | 76 | 78 | 1.0082 | 1.0082 | 1.0082 | 1.0084 | 1.0084 | 1.0070 | 1.0070 |
| September 1, 10 a. m. | Low | Clear | NE. | 72 | 72 | 1.0084 | 1.0086 | 1.0086 | 1.0086 | 1.0086 | 1.0084 | 1.0084 |
| September 1, 4 p. m. | High | Clear | E. | 74 | 74 | 1.0094 | 1.0082 | 1.0082 | 1.0082 | 1.0082 | 1.0082 | 1.0082 |
| September 2, 11 a. m. | Low | Clear | E. | 74 | 72 | 1.0098 | 1.0090 | 1.0090 | 1.0094 | 1.0094 | 1.0088 | 1.0088 |
| September 2, 5 p. m. | High | Clear | NE. | 72 | 72 | 1.0094 | 1.0090 | 1.0090 | 1.0090 | 1.0090 | 1.0092 | 1.0092 |

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|---------------------------|------|--------|-----|----|----|--------|----|--------|----|--------|----|--------|
| September 3, 11.30 a. m. | Low | Clear | NE. | 72 | 70 | 1.0088 | 72 | 1.0088 | 72 | 1.0090 | 72 | 1.0090 |
| September 3, 5.30 p. m. | High | Clear | E. | 70 | 72 | 1.0090 | 72 | 1.0090 | 72 | 1.0092 | 72 | 1.0090 |
| September 4, 12 m. | Low | Clear | E. | 74 | 74 | 1.0094 | 74 | 1.0096 | 74 | 1.0098 | 74 | 1.0094 |
| September 4, 6 p. m. | High | Clear | SE. | 74 | 74 | 1.0090 | 76 | 1.0094 | 78 | 1.0090 | 76 | 1.0098 |
| September 5, 7 a. m. | High | Clear | E. | 72 | 72 | 1.0090 | 72 | 1.0092 | 70 | 1.0094 | 72 | 1.0092 |
| September 5, 1 p. m. | Low | Cloudy | E. | 76 | 74 | 1.0090 | 74 | 1.0096 | 74 | 1.0096 | 76 | 1.0092 |
| September 6, 8 a. m. | High | Cloudy | NE. | 72 | 72 | 1.0096 | 72 | 1.0096 | 72 | 1.0098 | 72 | 1.0090 |
| September 6, 2 p. m. | Low | Clear | E. | 80 | 80 | 1.0082 | 78 | 1.0080 | 78 | 1.0080 | 78 | 1.0090 |
| September 7, 9 a. m. | High | Clear | E. | 76 | 74 | 1.0098 | 74 | 1.0090 | 74 | 1.0090 | 74 | 1.0090 |
| September 7, 3 p. m. | Low | Clear | E. | 86 | 86 | 1.0078 | 82 | 1.0060 | 82 | 1.0076 | 84 | 1.0074 |
| September 8, 10 a. m. | High | Cloudy | E. | 78 | 78 | 1.0090 | 76 | 1.0082 | 78 | 1.0088 | 78 | 1.0084 |
| September 8, 4 p. m. | Low | Cloudy | E. | 80 | 78 | 1.0078 | 78 | 1.0080 | 78 | 1.0082 | 78 | 1.0078 |
| September 9, 11 a. m. | High | Rainy | E. | 78 | 78 | 1.0078 | 78 | 1.0078 | 78 | 1.0080 | 80 | 1.0080 |
| September 9, 5 p. m. | Low | Rainy | E. | 76 | 78 | 1.0078 | 78 | 1.0078 | 80 | 1.0074 | 78 | 1.0080 |
| September 10, 12 m. | High | Clear | W. | 80 | 80 | 1.0072 | 80 | 1.0076 | 80 | 1.0078 | 80 | 1.0078 |
| September 10, 6 p. m. | Low | Clear | W. | 78 | 78 | 1.0078 | 78 | 1.0078 | 78 | 1.0078 | 78 | 1.0074 |
| September 11, 12.30 p. m. | High | Clear | NE. | 80 | 78 | 1.0078 | 80 | 1.0072 | 78 | 1.0078 | 78 | 1.0078 |
| September 11, 6.30 p. m. | Low | Clear | E. | 78 | 80 | 1.0080 | 78 | 1.0082 | 80 | 1.0072 | 78 | 1.0076 |
| September 12, 7.30 a. m. | Low | Clear | E. | 76 | 76 | 1.0090 | 78 | 1.0082 | 78 | 1.0084 | 78 | 1.0084 |
| September 12, 1.30 p. m. | High | Clear | SE. | 82 | 78 | 1.0084 | 78 | 1.0084 | 78 | 1.0084 | 78 | 1.0084 |
| September 13, 8.30 a. m. | Low | Clear | W. | 72 | 72 | 1.0092 | 72 | 1.0090 | 72 | 1.0090 | 70 | 1.0096 |
| September 13, 2.30 p. m. | High | Cloudy | W. | 78 | 72 | 1.0088 | 71 | 1.0086 | 76 | 1.0088 | 76 | 1.0086 |
| September 14, 9 a. m. | Low | Clear | W. | 75 | 70 | 1.0090 | 70 | 1.0090 | 70 | 1.0090 | 70 | 1.0096 |
| September 14, 3 p. m. | High | Clear | W. | 80 | 79 | 1.0080 | 76 | 1.0080 | 74 | 1.0088 | 76 | 1.0084 |
| September 15, 9.30 a. m. | Low | Clear | W. | 75 | 72 | 1.0088 | 72 | 1.0088 | 72 | 1.0092 | 72 | 1.0090 |
| September 15, 3.30 p. m. | High | Clear | W. | 78 | 74 | 1.0088 | 74 | 1.0084 | 72 | 1.0086 | 74 | 1.0088 |
| September 16, 10.15 a. m. | Low | Clear | W. | 76 | 74 | 1.0088 | 74 | 1.0086 | 74 | 1.0080 | 74 | 1.0088 |
| September 16, 4.20 p. m. | High | Clear | W. | 78 | 76 | 1.0086 | 76 | 1.0084 | 78 | 1.0084 | 76 | 1.0088 |
| September 17, 11 a. m. | Low | Clear | SW. | 80 | 78 | 1.0080 | 78 | 1.0084 | 78 | 1.0082 | 78 | 1.0084 |
| September 17, 5 p. m. | High | Clear | SW. | 84 | 82 | 1.0074 | 80 | 1.0080 | 82 | 1.0086 | 80 | 1.0086 |
| September 18, 12 m. | Low | Clear | NE. | 78 | 78 | 1.0086 | 78 | 1.0080 | 76 | 1.0088 | 76 | 1.0080 |
| September 18, 6 p. m. | High | Clear | E. | 76 | 76 | 1.0080 | 76 | 1.0080 | 79 | 1.0084 | 76 | 1.0086 |
| September 19, 12.30 p. m. | Low | Cloudy | SW. | 78 | 74 | 1.0086 | 74 | 1.0066 | 73 | 1.0090 | 73 | 1.0060 |
| September 19, 6.30 p. m. | High | Cloudy | SW. | 72 | 72 | 1.0096 | 72 | 1.0096 | 73 | 1.0084 | 72 | 1.0096 |
| September 20, 7.30 a. m. | Low | Clear | N. | 72 | 72 | 1.0098 | 74 | 1.0094 | 72 | 1.0100 | 72 | 1.0100 |
| September 20, 1.30 p. m. | High | Clear | N. | 74 | 72 | 1.0098 | 72 | 1.0090 | 72 | 1.0096 | 74 | 1.0098 |
| September 21, 8 a. m. | Low | Clear | NE. | 64 | 68 | 1.0104 | 66 | 1.0104 | 66 | 1.0104 | 68 | 1.0104 |
| September 21, 2 p. m. | High | Clear | NE. | 72 | 70 | 1.0100 | 72 | 1.0096 | 70 | 1.0098 | 70 | 1.0096 |
| September 22, 8.30 a. m. | Low | Clear | SW. | 66 | 68 | 1.0106 | 68 | 1.0100 | 68 | 1.0104 | 70 | 1.0100 |
| September 22, 2.30 p. m. | High | Clear | SW. | 76 | 72 | 1.0102 | 72 | 1.0094 | 72 | 1.0100 | 74 | 1.0094 |
| September 23, 9.30 a. m. | Low | Clear | W. | 70 | 68 | 1.0104 | 68 | 1.0106 | 68 | 1.0104 | 68 | 1.0160 |
| September 23, 3.30 p. m. | High | Clear | W. | 76 | 74 | 1.0094 | 72 | 1.0094 | 74 | 1.0086 | 72 | 1.0092 |
| September 24, 10.30 a. m. | Low | Clear | NE. | 70 | 68 | 1.0100 | 68 | 1.0100 | 68 | 1.0100 | 68 | 1.0106 |
| September 24, 4.30 p. m. | High | Clear | E. | 74 | 74 | 1.0098 | 74 | 1.0096 | 74 | 1.0100 | 76 | 1.0100 |
| September 25, 11.15 a. m. | Low | Clear | W. | 78 | 72 | 1.0090 | 74 | 1.0096 | 74 | 1.0092 | 74 | 1.0098 |
| September 25, 5.15 p. m. | High | Clear | W. | 76 | 76 | 1.0090 | 78 | 1.0088 | 76 | 1.0094 | 78 | 1.0090 |
| September 26, 12 m. | Low | Clear | SW. | 82 | 78 | 1.0092 | 78 | 1.0090 | 78 | 1.0090 | 78 | 1.0092 |
| September 26, 6 p. m. | High | Clear | SW. | 78 | 76 | 1.0090 | 76 | 1.0088 | 78 | 1.0080 | 78 | 1.0090 |
| September 27, 7 a. m. | Low | Clear | SE. | 76 | 74 | 1.0102 | 72 | 1.0090 | 74 | 1.0100 | 74 | 1.0100 |
| September 27, 12.30 p. m. | High | Clear | SW. | 82 | 78 | 1.0092 | 78 | 1.0092 | 78 | 1.0092 | 80 | 1.0080 |
| September 28, 7.30 a. m. | Low | Clear | SW. | 80 | 78 | 1.0094 | 76 | 1.0092 | 78 | 1.0094 | 78 | 1.0096 |
| September 28, 1.30 p. m. | High | Clear | SW. | 86 | 82 | 1.0090 | 82 | 1.0088 | 84 | 1.0082 | 80 | 1.0090 |

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|-------------------------|------|--------|-----|----|----|--------|----|--------|----|--------|----|--------|
| October 18, 11 a. m. | Low | Clear | W. | 64 | 58 | 1.0124 | 58 | 1.0120 | 58 | 1.0120 | 60 | 1.0124 |
| October 18, 6 p. m. | High | Clear | W. | 60 | 60 | 1.0120 | 66 | 1.0114 | 66 | 1.0118 | 66 | 1.0118 |
| October 19, 12 m. | Low | Clear | W. | 70 | 60 | 1.0122 | 62 | 1.0112 | 62 | 1.0114 | 62 | 1.0118 |
| October 19, 6.30 p. m. | High | Clear | W. | 62 | 64 | 1.0120 | 64 | 1.0112 | 66 | 1.0114 | 66 | 1.0120 |
| October 20, 7 a. m. | High | Clear | SE. | 66 | 64 | 1.0118 | 66 | 1.0116 | 66 | 1.0118 | 66 | 1.0118 |
| October 20, 1 p. m. | Low | Clear | SE. | 68 | 66 | 1.0118 | 66 | 1.0118 | 66 | 1.0118 | 66 | 1.0118 |
| October 21, 8 a. m. | High | Cloudy | SE. | 60 | 64 | 1.0122 | 64 | 1.0116 | 64 | 1.0118 | 64 | 1.0120 |
| October 21, 2 p. m. | Low | Cloudy | SE. | 68 | 68 | 1.0120 | 68 | 1.0118 | 68 | 1.0120 | 68 | 1.0120 |
| October 22, 9 a. m. | High | Clear | NW. | 58 | 60 | 1.0124 | 60 | 1.0122 | 58 | 1.0124 | 58 | 1.0128 |
| October 22, 3 p. m. | Low | Clear | NW. | 62 | 64 | 1.0122 | 62 | 1.0112 | 64 | 1.0120 | 64 | 1.0120 |
| October 23, 10 a. m. | High | Clear | NW. | 62 | 60 | 1.0122 | 60 | 1.0124 | 60 | 1.0124 | 60 | 1.0124 |
| October 23, 4 p. m. | Low | Clear | NE. | 66 | 64 | 1.0118 | 64 | 1.0118 | 64 | 1.0118 | 68 | 1.0120 |
| October 24, 11 a. m. | High | Clear | E. | 66 | 62 | 1.0120 | 62 | 1.0118 | 60 | 1.0118 | 60 | 1.0120 |
| October 24, 5 p. m. | Low | Clear | E. | 60 | 66 | 1.0120 | 64 | 1.0118 | 64 | 1.0118 | 66 | 1.0120 |
| October 25, 6 a. m. | Low | Clear | NW. | 60 | 62 | 1.0124 | 60 | 1.0122 | 62 | 1.0124 | 62 | 1.0124 |
| October 25, 12 m. | High | Clear | NW. | 64 | 64 | 1.0120 | 64 | 1.0118 | 64 | 1.0120 | 64 | 1.0118 |
| October 26, 7 a. m. | Low | Cloudy | E. | 64 | 64 | 1.0120 | 64 | 1.0118 | 64 | 1.0118 | 64 | 1.0120 |
| October 26, 1 p. m. | High | Cloudy | E. | 68 | 66 | 1.0118 | 66 | 1.0118 | 66 | 1.0118 | 66 | 1.0118 |
| October 27, 8 a. m. | Low | Rain | NE. | 64 | 64 | 1.0110 | 64 | 1.0112 | 64 | 1.0116 | 64 | 1.0116 |
| October 27, 2 p. m. | High | Rain | NE. | 66 | 66 | 1.0112 | 66 | 1.0112 | 66 | 1.0116 | 66 | 1.0116 |
| October 28 | Low | Cloudy | NE. | | | | | | | | | |
| October 28 | Low | Cloudy | NE. | | | | | | | | | |
| October 29 | Low | Rain | NE. | 58 | 58 | 1.0120 | 58 | 1.0122 | 58 | 1.0128 | 58 | 1.0124 |
| October 29, 4 p. m. | High | Rain | N. | 60 | 58 | 1.0126 | 60 | 1.0116 | 60 | 1.0124 | 58 | 1.0124 |
| October 30, 11 a. m. | Low | Cloudy | N. | 52 | 52 | 1.0124 | 54 | 1.0120 | 52 | 1.0122 | 52 | 1.0124 |
| October 30, 5 p. m. | High | Cloudy | N. | 54 | 54 | 1.0120 | 54 | 1.0126 | 56 | 1.0120 | 56 | 1.0122 |
| October 31, 12.30 p. m. | Low | Clear | N. | 54 | 54 | 1.0124 | 54 | 1.0120 | 54 | 1.0120 | 54 | 1.0124 |
| October 31, 7 p. m. | High | Cloudy | N. | 62 | 62 | 1.0114 | 62 | 1.3114 | 62 | 1.0112 | 58 | 1.0116 |
| November 1, 7.30 a. m. | High | Clear | NW. | 62 | 62 | 1.0126 | 62 | 1.0116 | 62 | 1.0126 | 62 | 1.0126 |
| November 1, 1.30 p. m. | Low | Clear | NW. | 62 | 62 | 1.0114 | 62 | 1.0112 | 62 | 1.0114 | 62 | 1.0116 |
| November 2, 8.30 a. m. | High | Clear | NW. | 54 | 56 | 1.0124 | 56 | 1.0124 | 56 | 1.0120 | 56 | 1.0124 |
| November 2, 2.30 p. m. | Low | Clear | S. | 60 | 60 | 1.0116 | 60 | 1.0118 | 60 | 1.0118 | 60 | 1.0118 |
| November 3, 9 a. m. | High | Clear | SW. | 64 | 62 | 1.0120 | 62 | 1.0120 | 62 | 1.0120 | 62 | 1.0120 |
| November 3, 3 p. m. | Low | Clear | SW. | 68 | 62 | 1.0120 | 64 | 1.0116 | 64 | 1.0116 | 66 | 1.0118 |
| November 4, 9.30 a. m. | High | Clear | N. | 62 | 58 | 1.0122 | 58 | 1.0120 | 58 | 1.0122 | 58 | 1.0124 |
| November 4, 3.30 p. m. | Low | Clear | N. | 66 | 60 | 1.0120 | 60 | 1.0118 | 60 | 1.0118 | 60 | 1.0120 |
| November 5, 10 a. m. | High | Clear | S. | 58 | 56 | 1.0126 | 56 | 1.0124 | 56 | 1.0124 | 54 | 1.0126 |
| November 5, 4 p. m. | Low | Clear | S. | 62 | 60 | 1.0120 | 62 | 1.0120 | 62 | 1.0120 | 60 | 1.0124 |
| November 6, 10.30 a. m. | High | Cloudy | SW. | 64 | 60 | 1.0122 | 60 | 1.0122 | 60 | 1.0122 | 60 | 1.0122 |
| November 6, 4.30 p. m. | Low | Rain | SW. | 62 | 60 | 1.0120 | 60 | 1.0120 | 60 | 1.0120 | 58 | 1.0122 |
| November 7, 11.30 a. m. | High | Clear | NW. | 44 | 46 | 1.0126 | 46 | 1.0130 | 48 | 1.0126 | 48 | 1.0130 |
| November 7, 5.30 p. m. | Low | Clear | NW. | 46 | 48 | 1.0128 | 48 | 1.0128 | 48 | 1.0130 | 48 | 1.0130 |