

SANDY HOOK



SANDY HOOK PILOTS

2019
TIDE BOOK

Sandy Hook - January 2019

Times and Heights of High and Low Waters

1 03:56 4.9 10:27 0.0 Tue 16:14 4.2 22:38 -0.2	9 03:34 0.2 09:44 4.7 Wed 16:09 -0.1 22:15 3.9	17 03:49 4.8 10:43 0.1 Thu 16:25 4.0 22:39 -0.2	25 04:53 -0.6 11:04 5.3 Fri 17:29 -0.8 23:44 5.0
2 04:50 5.0 11:18 -0.1 Wed 17:10 4.2 23:24 -0.2	10 04:10 0.4 10:24 4.5 Thu 16:44 0.1 22:57 3.8	18 04:49 5.1 11:37 -0.3 Fri 17:25 4.3 23:34 -0.5	26 05:50 -0.3 11:59 4.9 Sat 18:22 -0.4
3 05:40 5.1 12:06 -0.2 Thu 18:01 4.2	11 04:47 0.6 11:05 4.3 Fri 17:19 0.2 23:39 3.8	19 05:46 5.5 12:31 -0.6 Sat 18:21 4.6	27 00:39 4.9 06:53 0.1 Sun 12:54 4.6 ● 19:21 -0.2
4 00:09 -0.2 06:25 5.2 Fri 12:52 -0.3 18:47 4.2	12 05:28 0.8 11:47 4.1 Sat 17:58 0.4	20 00:29 -0.7 06:39 5.8 Sun 13:23 -0.9 19:13 4.8	28 01:33 4.8 08:01 0.3 Mon 13:50 4.2 20:21 0.1
5 00:53 -0.1 07:07 5.2 Sat 13:36 -0.3 19:30 4.2	13 00:21 3.9 06:22 0.9 Sun 12:33 4.0 18:46 0.4	21 01:23 -0.9 07:30 6.0 Mon 14:14 -1.1 ○ 20:05 5.0	29 02:29 4.7 09:06 0.3 Tue 14:48 4.0 21:19 0.2
6 01:36 -0.1 07:47 5.2 Sun 14:17 -0.3 ● 20:11 4.2	14 01:05 4.0 07:33 0.9 Mon 13:22 3.9 ● 19:45 0.4	22 02:16 -1.0 08:21 6.0 Tue 15:03 -1.2 20:57 5.1	30 03:26 4.7 10:04 0.3 Wed 15:48 3.8 22:12 0.2
7 02:17 0.0 08:26 5.1 Mon 14:56 -0.3 20:52 4.1	15 01:54 4.2 08:45 0.8 Tue 14:18 3.8 20:46 0.3	23 03:08 -1.0 09:14 5.9 Wed 15:51 -1.2 21:52 5.1	31 04:23 4.7 10:56 0.2 Thu 16:48 3.9 23:01 0.2
8 02:56 0.1 09:05 4.9 Tue 15:33 -0.2 21:34 4.0	16 02:49 4.5 09:47 0.5 Wed 15:20 3.9 21:44 0.1	24 04:00 -0.9 10:09 5.6 Thu 16:39 -1.0 22:49 5.1	

Slack water at Sandy Hook occurs 50 minutes after H.W. and 1 hour and 10 minutes after L.W. and lasts about 25 minutes.

The phase age of the tide is the interval by which spring tides follow full or new moon, and thus likewise the interval by which neap tide follows the moon's first and third quarters. The phase of the tides at Ft. Hamilton is 26.5 hours.

Sandy Hook - February 2019

Times and Heights of High and Low Waters

1 05:16 4.8 11:44 0.0 Fri 17:41 4.0 23:48 0.1	9 04:23 0.3 10:28 4.4 Sat 16:41 0.1 22:51 4.2	17 05:27 5.5 12:10 -0.6 Sun 18:03 4.8	25 00:09 5.1 06:24 0.1 Mon 12:29 4.4 18:42 0.2
2 06:03 4.9 12:29 -0.1 Sat 18:28 4.1	10 04:59 0.5 11:08 4.2 Sun 17:13 0.2 23:31 4.3	18 00:13 -0.7 06:23 5.8 Mon 13:02 -0.9 18:57 5.2	26 01:01 4.9 07:29 0.4 Tue 13:23 4.1 ◦ 19:44 0.5
3 00:33 0.1 06:46 5.0 Sun 13:12 -0.2 19:10 4.2	11 05:42 0.7 11:54 4.0 Mon 17:52 0.3	19 01:09 -1.0 07:15 6.0 Tue 13:53 -1.1 ○ 19:48 5.4	27 01:55 4.6 08:35 0.6 Wed 14:20 3.9 20:47 0.7
4 01:16 0.0 07:26 5.0 Mon 13:52 -0.3 ● 19:49 4.3	12 00:17 4.3 06:45 0.8 Tue 12:46 3.9 ◦ 18:48 0.4	20 02:02 -1.1 08:06 6.1 Wed 14:41 -1.3 20:38 5.6	28 02:52 4.5 09:36 0.6 Thu 15:21 3.8 21:45 0.7
5 01:57 0.0 08:04 5.0 Tue 14:30 -0.3 20:27 4.3	13 01:09 4.5 08:05 0.8 Wed 13:44 3.9 20:02 0.4	21 02:54 -1.1 08:56 5.9 Thu 15:27 -1.2 21:30 5.6	
6 02:36 0.0 08:40 4.9 Wed 15:05 -0.2 21:04 4.3	14 02:09 4.6 09:17 0.5 Thu 14:50 3.9 21:14 0.3	22 03:44 -1.0 09:48 5.6 Fri 16:12 -1.0 22:23 5.5	
7 03:13 0.1 09:16 4.8 Thu 15:39 -0.2 21:40 4.2	15 03:16 4.8 10:19 0.2 Fri 16:00 4.1 22:17 0.0	23 04:34 -0.7 10:41 5.3 Sat 16:58 -0.7 23:16 5.3	
8 03:48 0.2 09:52 4.6 Fri 16:10 -0.1 22:15 4.2	16 04:24 5.1 11:16 -0.2 Sat 17:05 4.4 23:16 -0.4	24 05:26 -0.3 11:35 4.8 Sun 17:47 -0.2	

Slack water at Sandy Hook occurs 50 minutes after H.W. and 1 hour and 10 minutes after L.W. and lasts about 25 minutes.

The phase age of the tide is the interval by which spring tides follow full or new moon, and thus likewise the interval by which neap tide follows the moon's first and third quarters. The phase of the tides at Ft. Hamilton is 26.5 hours.

TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME

Sandy Hook - March 2019

Times and Heights of High and Low Waters

1 03:50 4.5 10:29 0.5 Fri 16:22 3.8 22:37 0.6	9 03:27 0.1 09:22 4.7 Sat 15:38 0.0 21:36 4.7	17 05:03 5.2 11:54 -0.1 Sun 17:47 4.7	25 06:02 -0.2 12:10 4.7 Mon 18:13 0.1
2 04:47 4.6 11:16 0.3 Sat 17:17 4.0 23:25 0.4	10 05:02 0.2 10:59 4.5 Sun 17:08 0.1 23:10 4.7	18 00:02 -0.2 06:08 5.5 Mon 12:48 -0.5 18:46 5.1	26 00:36 5.2 06:54 0.2 Tue 13:03 4.4 19:03 0.6
3 05:38 4.7 12:00 0.2 Sun 18:04 4.2	11 05:38 0.4 11:40 4.3 Mon 17:40 0.2 23:52 4.7	19 00:59 -0.6 07:06 5.8 Tue 13:39 -0.8 19:38 5.6	27 01:28 4.9 07:53 0.6 Wed 13:57 4.1 20:03 0.9
4 00:10 0.3 06:22 4.9 Mon 12:42 0.0 18:46 4.4	12 06:20 0.5 12:28 4.2 Tue 18:19 0.4	20 01:54 -0.9 07:58 6.0 Wed 14:28 -1.0 20:28 5.9	28 02:20 4.6 08:59 0.8 Thu 14:53 3.9 • 21:11 1.1
5 00:53 0.1 07:02 5.0 Tue 13:22 -0.1 19:24 4.6	13 00:41 4.7 07:17 0.7 Wed 13:24 4.0 19:13 0.6	21 02:46 -1.0 08:47 6.0 Thu 15:15 -1.1 ○ 21:16 6.0	29 03:15 4.4 10:01 0.8 Fri 15:51 3.9 22:14 1.1
6 01:34 0.0 07:39 5.0 Wed 13:59 -0.2 ● 19:59 4.7	14 01:39 4.8 08:35 0.7 Thu 14:25 4.0 • 20:32 0.7	22 03:37 -1.0 09:36 5.8 Fri 16:00 -1.0 22:05 6.0	30 04:13 4.4 10:55 0.7 Sat 16:50 4.0 23:09 0.9
7 02:14 0.0 08:14 5.0 Thu 14:34 -0.2 20:32 4.7	15 02:42 4.8 09:52 0.6 Fri 15:31 4.1 21:53 0.5	23 04:25 -0.9 10:25 5.5 Sat 16:44 -0.7 22:54 5.8	31 05:11 4.4 11:42 0.6 Sun 17:45 4.2 23:57 0.7
8 02:51 0.0 08:48 4.9 Fri 15:07 -0.1 21:04 4.7	16 03:52 4.9 10:57 0.3 Sat 16:41 4.3 23:01 0.2	24 05:13 -0.6 11:17 5.1 Sun 17:28 -0.3 23:45 5.5	

Slack water at Sandy Hook occurs 50 minutes after H.W. and 1 hour and 10 minutes after L.W. and lasts about 25 minutes.

The phase age of the tide is the interval by which spring tides follow full or new moon, and thus likewise the interval by which neap tide follows the moon's first and third quarters. The phase of the tides at Ft. Hamilton is 26.5 hours.

TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME

Sandy Hook - April 2019

Times and Heights of High and Low Waters

1 06:04 4.6 12:25 0.4 Mon 18:34 4.4	9 05:24 0.2 11:22 4.4 Tue 17:19 0.3 23:27 5.2	17 00:44 -0.4 06:46 5.6 Wed 13:13 -0.6 19:19 5.9	25 00:54 4.9 07:17 0.6 Thu 13:31 4.1 19:23 1.2
2 00:43 0.5 06:51 4.8 Tue 13:06 0.2 19:16 4.7	10 06:09 0.4 12:15 4.3 Wed 18:02 0.5	18 01:38 -0.6 07:38 5.7 Thu 14:01 -0.7 20:07 6.1	26 01:45 4.7 08:16 0.9 Fri 14:23 4.0 20:29 1.4
3 01:26 0.3 07:32 4.9 Wed 13:46 0.1 19:53 4.9	11 00:21 5.1 07:05 0.5 Thu 13:13 4.2 18:59 0.7	19 02:29 -0.8 08:26 5.7 Fri 14:48 -0.7 20:53 6.2	27 02:38 4.5 09:18 0.9 Sat 15:17 4.0 21:36 1.4
4 02:09 0.1 08:10 5.0 Thu 14:24 0.0 20:27 5.1	12 01:22 5.0 08:18 0.6 Fri 14:15 4.3 20:19 0.8	20 03:19 -0.8 09:14 5.5 Sat 15:33 -0.6 21:39 6.1	28 03:32 4.4 10:13 0.9 Sun 16:12 4.1 22:34 1.2
5 02:50 0.0 08:46 5.0 Fri 15:00 0.0 21:00 5.2	13 02:27 5.0 09:32 0.5 Sat 15:19 4.4 21:39 0.6	21 04:06 -0.6 10:02 5.2 Sun 16:16 -0.3 22:26 5.9	29 04:27 4.4 11:01 0.7 Mon 17:05 4.3 23:25 1.0
6 03:29 0.0 09:21 4.9 Sat 15:35 0.0 21:31 5.2	14 03:35 5.1 10:36 0.2 Sun 16:25 4.7 22:47 0.3	22 04:52 -0.4 10:53 4.9 Mon 16:58 0.1 23:14 5.6	30 05:22 4.5 11:44 0.6 Tue 17:55 4.6
7 04:07 0.0 09:57 4.8 Sun 16:09 0.1 22:04 5.2	15 04:44 5.2 11:32 -0.1 Mon 17:29 5.0 23:48 -0.1	23 05:37 -0.1 11:45 4.6 Tue 17:41 0.5	
8 04:45 0.1 10:36 4.6 Mon 16:42 0.2 22:41 5.2	16 05:48 5.4 12:24 -0.4 Tue 18:26 5.5	24 00:04 5.2 06:25 0.3 Wed 12:38 4.3 18:28 0.9	

Slack water at Sandy Hook occurs 50 minutes after H.W. and 1 hour and 10 minutes after L.W. and lasts about 25 minutes.

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TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME

Sandy Hook - May 2019

Times and Heights of High and Low Waters

1 00:11 0.7 06:11 4.6 Wed 12:25 0.4 18:38 4.9	9 06:01 0.2 12:07 4.5 Thu 17:56 0.5	17 01:21 -0.4 07:17 5.3 Fri 13:34 -0.4 19:45 6.2	25 01:10 4.7 07:32 0.8 Sat 13:51 4.1 19:44 1.4
2 00:56 0.5 06:56 4.7 Thu 13:05 0.2 19:17 5.2	10 00:12 5.4 06:57 0.3 Fri 13:07 4.5 18:56 0.7	18 02:12 -0.5 08:06 5.2 Sat 14:21 -0.3 ○ 20:30 6.2	26 01:59 4.5 08:28 0.9 Sun 14:39 4.1 ● 20:51 1.5
3 01:41 0.3 07:37 4.8 Fri 13:45 0.1 19:53 5.4	11 01:14 5.3 08:03 0.4 Sat 14:06 4.6 20:11 0.7	19 03:00 -0.5 08:53 5.1 Sun 15:06 -0.2 21:14 6.1	27 02:48 4.4 09:23 0.9 Mon 15:28 4.2 21:53 1.3
4 02:24 0.1 08:16 4.9 Sat 14:25 0.1 ● 20:27 5.5	12 02:16 5.2 09:11 0.3 Sun 15:07 4.7 ● 21:27 0.6	20 03:46 -0.4 09:40 4.9 Mon 15:50 0.1 21:59 5.8	28 03:39 4.3 10:13 0.8 Tue 16:18 4.4 22:47 1.1
5 03:07 0.0 08:54 4.8 Sun 15:04 0.1 21:02 5.6	13 03:19 5.1 10:12 0.1 Mon 16:08 5.0 22:33 0.4	21 04:30 -0.2 10:29 4.7 Tue 16:32 0.3 22:44 5.5	29 04:32 4.3 10:58 0.6 Wed 17:08 4.7 23:37 0.9
6 03:48 -0.1 09:35 4.8 Mon 15:43 0.1 21:40 5.7	14 04:23 5.1 11:07 -0.1 Tue 17:09 5.3 23:33 0.1	22 05:13 0.0 11:20 4.5 Wed 17:14 0.7 23:32 5.2	30 05:25 4.4 11:41 0.5 Thu 17:54 5.0
7 04:30 -0.1 10:20 4.7 Tue 16:24 0.2 22:23 5.6	15 05:26 5.2 11:58 -0.3 Wed 18:05 5.7	23 05:56 0.3 12:11 4.3 Thu 17:57 1.0	31 00:24 0.6 06:16 4.5 Fri 12:24 0.3 18:37 5.3
8 05:14 0.0 11:11 4.6 Wed 17:07 0.3 23:14 5.5	16 00:28 -0.2 06:24 5.2 Thu 12:47 -0.4 18:57 6.0	24 00:21 4.9 06:42 0.6 Fri 13:02 4.2 18:45 1.2	

Slack water at Sandy Hook occurs 50 minutes after H.W. and 1 hour and 10 minutes after L.W. and lasts about 25 minutes.

The phase age of the tide is the interval by which spring tides follow full or new moon, and thus likewise the interval by which neap tide follows the moon's first and third quarters. The phase of the tides at Ft. Hamilton is 26.5 hours.

TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME

Sandy Hook - June 2019

Times and Heights of High and Low Waters

1 01:11 0.3 07:02 4.6 Sat 13:07 0.2 19:18 5.5	9 01:04 5.4 07:44 0.1 Sun 13:54 4.9 20:00 0.6	17 02:41 -0.2 08:34 4.8 Mon 14:42 0.1 ○ 20:51 5.9	25 02:04 4.4 08:25 0.8 Tue 14:42 4.4 ◐ 21:05 1.4
2 01:57 0.1 07:46 4.7 Sun 13:51 0.1 19:58 5.8	10 02:03 5.3 08:47 0.1 Mon 14:51 5.1 ◐ 21:11 0.6	18 03:26 -0.2 09:19 4.7 Tue 15:26 0.3 21:34 5.7	26 02:51 4.3 09:18 0.8 Wed 15:27 4.5 22:06 1.2
3 02:44 -0.1 08:30 4.8 Mon 14:37 0.1 ● 20:38 5.9	11 03:02 5.1 09:47 0.0 Tue 15:48 5.3 22:17 0.4	19 04:08 -0.1 10:06 4.6 Wed 16:08 0.5 22:18 5.4	27 03:41 4.2 10:09 0.7 Thu 16:15 4.7 23:00 1.0
4 03:30 -0.2 09:16 4.8 Tue 15:23 0.0 21:22 5.9	12 04:02 4.9 10:41 -0.1 Wed 16:47 5.5 23:16 0.2	20 04:48 0.1 10:53 4.4 Thu 16:49 0.7 23:02 5.2	28 04:37 4.2 10:57 0.6 Fri 17:06 5.0 23:51 0.7
5 04:15 -0.3 10:05 4.8 Wed 16:10 0.1 22:11 5.9	13 05:03 4.9 11:32 -0.1 Thu 17:43 5.7	21 05:28 0.3 11:41 4.3 Fri 17:29 0.9 23:48 4.9	29 05:34 4.3 11:44 0.4 Sat 17:56 5.3
6 05:02 -0.3 10:59 4.8 Thu 16:58 0.1 23:06 5.7	14 00:11 0.0 06:02 4.8 Fri 12:21 -0.1 18:35 5.9	22 06:07 0.5 12:28 4.2 Sat 18:11 1.1	30 00:41 0.4 06:29 4.5 Sun 12:33 0.2 18:45 5.6
7 05:51 -0.2 11:58 4.8 Fri 17:51 0.3	15 01:03 -0.1 06:57 4.8 Sat 13:09 -0.1 19:23 6.0	23 00:34 4.7 06:49 0.6 Sun 13:14 4.2 19:00 1.3	
8 00:05 5.6 06:44 0.0 Sat 12:56 4.8 18:51 0.5	16 01:53 -0.2 07:46 4.8 Sun 13:56 0.0 20:08 6.0	24 01:19 4.5 07:34 0.8 Mon 13:58 4.3 20:00 1.4	

Slack water at Sandy Hook occurs 50 minutes after H.W. and 1 hour and 10 minutes after L.W. and lasts about 25 minutes.

The phase age of the tide is the interval by which spring tides follow full or new moon, and thus likewise the interval by which neap tide follows the moon's first and third quarters. The phase of the tides at Ft. Hamilton is 26.5 hours.

TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME

Sandy Hook - July 2019

Times and Heights of High and Low Waters

1 01:31 0.1 07:19 4.6 Mon 13:23 0.1 19:32 5.9	9 01:46 5.2 08:19 0.0 Tue 14:30 5.4 ☉ 20:53 0.5	17 03:02 0.0 08:58 4.7 Wed 15:04 0.4 21:11 5.6	25 02:06 4.2 08:16 0.9 Thu 14:35 4.7 ☉ 21:22 1.3
2 02:21 -0.2 08:09 4.8 Tue 14:14 -0.1 ● 20:20 6.1	10 02:42 5.0 09:18 0.1 Wed 15:26 5.4 21:59 0.5	18 03:43 0.0 09:41 4.6 Thu 15:45 0.5 21:52 5.4	26 02:56 4.1 09:16 0.9 Fri 15:24 4.8 22:24 1.1
3 03:10 -0.4 08:58 5.0 Wed 15:06 -0.2 21:08 6.2	11 03:41 4.7 10:15 0.1 Thu 16:23 5.5 22:59 0.4	19 04:21 0.1 10:24 4.5 Fri 16:25 0.6 22:33 5.2	27 03:54 4.1 10:15 0.7 Sat 16:20 5.1 23:20 0.8
4 03:58 -0.5 09:49 5.1 Thu 15:57 -0.2 22:00 6.1	12 04:41 4.6 11:08 0.2 Fri 17:19 5.5 23:53 0.3	20 04:57 0.2 11:07 4.5 Sat 17:03 0.8 23:14 5.0	28 04:57 4.2 11:11 0.5 Sun 17:19 5.4
5 04:46 -0.5 10:44 5.1 Fri 16:48 -0.2 22:55 6.0	13 05:42 4.5 11:58 0.2 Sat 18:13 5.6	21 05:32 0.4 11:49 4.4 Sun 17:41 1.0 23:55 4.8	29 00:13 0.4 05:59 4.5 Mon 12:06 0.3 18:17 5.7
6 05:34 -0.5 11:42 5.2 Sat 17:41 0.0 23:52 5.8	14 00:44 0.2 06:38 4.5 Sun 12:47 0.3 19:03 5.7	22 06:07 0.5 12:31 4.4 Mon 18:22 1.2	30 01:06 0.1 06:56 4.7 Tue 13:01 0.0 19:11 6.0
7 06:25 -0.3 12:39 5.2 Sun 18:39 0.2	15 01:33 0.1 07:28 4.6 Mon 13:34 0.3 19:48 5.7	23 00:37 4.5 06:43 0.7 Tue 13:11 4.4 19:11 1.3	31 01:58 -0.2 07:48 5.1 Wed 13:56 -0.2 20:03 6.3
8 00:50 5.5 07:20 -0.2 Mon 13:35 5.3 19:44 0.4	16 02:19 0.0 08:14 4.6 Tue 14:20 0.4 ○ 20:30 5.7	24 01:20 4.4 07:25 0.8 Wed 13:52 4.5 20:14 1.4	

Slack water at Sandy Hook occurs 50 minutes after H.W. and 1 hour and 10 minutes after L.W. and lasts about 25 minutes.

The phase age of the tide is the interval by which spring tides follow full or new moon, and thus likewise the interval by which neap tide follows the moon's first and third quarters. The phase of the tides at Ft. Hamilton is 26.5 hours.

TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME

Sandy Hook - August 2019

Times and Heights of High and Low Waters

1 02:48 -0.5 08:39 5.3 Thu 14:50 -0.4 ● 20:53 6.4	9 03:20 4.5 09:49 0.5 Fri 15:57 5.3 22:39 0.6	17 03:50 0.2 09:51 4.8 Sat 16:00 0.6 22:02 5.2	25 03:23 4.2 09:41 0.9 Sun 15:44 5.1 22:53 0.8
2 03:37 -0.7 09:31 5.5 Fri 15:43 -0.5 21:45 6.3	10 04:20 4.4 10:46 0.6 Sat 16:55 5.3 23:34 0.5	18 04:24 0.2 10:29 4.7 Sun 16:37 0.7 22:39 5.0	26 04:30 4.3 10:47 0.6 Mon 16:50 5.4 23:49 0.4
3 04:25 -0.8 10:25 5.6 Sat 16:35 -0.4 22:39 6.1	11 05:22 4.3 11:38 0.6 Sun 17:50 5.3	19 04:57 0.4 11:05 4.7 Mon 17:13 0.8 23:17 4.8	27 05:35 4.6 11:46 0.3 Tue 17:54 5.7
4 05:12 -0.7 11:20 5.6 Sun 17:27 -0.2 23:34 5.8	12 00:23 0.4 06:19 4.4 Mon 12:27 0.6 18:41 5.4	20 05:27 0.5 11:42 4.7 Tue 17:50 1.0 23:56 4.5	28 00:42 0.0 06:35 5.0 Wed 12:43 0.0 18:52 6.1
5 06:00 -0.5 12:16 5.6 Mon 18:22 0.0	13 01:10 0.3 07:09 4.6 Tue 13:13 0.5 19:27 5.5	21 05:58 0.7 12:20 4.7 Wed 18:31 1.2	29 01:34 -0.3 07:29 5.4 Thu 13:39 -0.3 19:45 6.3
6 00:30 5.5 06:51 -0.2 Tue 13:11 5.6 19:23 0.3	14 01:54 0.2 07:53 4.7 Wed 13:58 0.5 20:08 5.5	22 00:40 4.4 06:33 0.8 Thu 13:01 4.7 19:26 1.3	30 02:24 -0.6 08:20 5.7 Fri 14:34 -0.6 ● 20:36 6.4
7 01:26 5.1 07:48 0.1 Wed 14:06 5.5 ◐ 20:31 0.6	15 02:35 0.2 08:34 4.8 Thu 14:41 0.5 ○ 20:47 5.5	23 01:28 4.2 07:20 0.9 Fri 13:49 4.8 ◑ 20:39 1.3	31 03:13 -0.8 09:10 6.0 Sat 15:27 -0.6 21:26 6.3
8 02:22 4.8 08:49 0.4 Thu 15:01 5.4 21:38 0.6	16 03:14 0.1 09:13 4.8 Fri 15:22 0.5 21:25 5.4	24 02:22 4.1 08:27 1.0 Sat 14:43 5.0 21:51 1.1	

Slack water at Sandy Hook occurs 50 minutes after H.W. and 1 hour and 10 minutes after L.W. and lasts about 25 minutes.

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TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME

Sandy Hook - September 2019

Times and Heights of High and Low Waters

1 Sun 04:00 -0.8 10:01 6.1 16:18 -0.6 22:18 6.1	9 Mon 05:00 4.3 11:17 0.9 17:24 5.1 23:58 0.6	17 Tue 04:21 0.3 10:22 5.0 16:49 0.6 22:42 4.7	25 Wed 05:15 4.8 11:31 0.3 17:34 5.7
2 Mon 04:46 -0.7 10:55 6.0 17:10 -0.4 23:12 5.7	10 Tue 05:56 4.4 12:06 0.8 18:16 5.2	18 Wed 04:52 0.5 10:54 5.0 17:25 0.8 23:21 4.5	26 Thu 00:18 -0.1 06:15 5.3 12:28 -0.1 18:33 6.0
3 Tue 05:32 -0.4 11:49 5.9 18:03 -0.1	11 Wed 00:42 0.5 06:46 4.6 12:51 0.7 19:02 5.3	19 Thu 05:22 0.6 11:32 5.0 18:04 1.0	27 Fri 01:09 -0.4 07:09 5.7 13:23 -0.4 19:26 6.2
4 Wed 00:08 5.3 06:21 -0.1 12:44 5.7 19:00 0.3	12 Thu 01:24 0.3 07:29 4.8 13:35 0.5 19:43 5.4	20 Fri 00:07 4.3 05:57 0.8 12:18 5.0 18:54 1.1	28 Sat 01:58 -0.7 07:59 6.1 14:17 -0.7 ● 20:17 6.2
5 Thu 01:05 5.0 07:15 0.4 13:39 5.5 20:05 0.6	13 Fri 02:03 0.2 08:07 5.0 14:17 0.5 20:21 5.4	21 Sat 01:01 4.2 06:43 1.0 13:13 5.0 20:06 1.2	29 Sun 02:46 -0.8 08:48 6.3 15:10 -0.7 21:06 6.1
6 Fri 02:01 4.6 08:17 0.7 14:33 5.3 ● 21:12 0.8	14 Sat 02:41 0.2 08:44 5.1 14:57 0.4 ○ 20:57 5.3	22 Sun 02:00 4.2 07:53 1.1 14:14 5.0 ● 21:23 1.0	30 Mon 03:33 -0.8 09:37 6.4 16:00 -0.7 21:56 5.8
7 Sat 02:59 4.4 09:22 0.9 15:29 5.1 22:15 0.8	15 Sun 03:16 0.2 09:18 5.1 15:36 0.4 21:32 5.2	23 Mon 03:03 4.2 09:18 1.0 15:19 5.2 22:29 0.7	
8 Sun 03:59 4.3 10:23 1.0 16:27 5.0 23:10 0.7	16 Mon 03:50 0.2 09:50 5.1 16:13 0.5 22:06 4.9	24 Tue 04:10 4.4 10:29 0.7 16:28 5.4 23:26 0.3	

Slack water at Sandy Hook occurs 50 minutes after H.W. and 1 hour and 10 minutes after L.W. and lasts about 25 minutes.

The phase age of the tide is the interval by which spring tides follow full or new moon, and thus likewise the interval by which neap tide follows the moon's first and third quarters. The phase of the tides at Ft. Hamilton is 26.5 hours.

TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME

Sandy Hook - October 2019

Times and Heights of High and Low Waters

1 04:18 -0.6 10:27 6.2 Tue 16:50 -0.4 22:49 5.5	9 05:27 4.4 11:41 0.9 Wed 17:44 4.9	17 04:22 0.4 10:19 5.2 Thu 17:06 0.5 22:56 4.4	25 05:55 5.4 12:13 -0.2 Fri 18:12 5.6
2 05:04 -0.3 11:20 6.0 Wed 17:41 -0.1 23:45 5.1	10 00:09 0.5 06:16 4.7 Thu 12:26 0.7 18:31 5.0	18 04:56 0.5 11:00 5.2 Fri 17:47 0.6 23:47 4.2	26 00:43 -0.6 06:49 5.9 Sat 13:08 -0.5 19:06 5.8
3 05:51 0.1 12:14 5.7 Thu 18:35 0.3	11 00:49 0.3 06:59 4.9 Fri 13:09 0.5 19:13 5.1	19 05:35 0.7 11:51 5.1 Sat 18:38 0.8	27 01:32 -0.8 07:39 6.2 Sun 14:01 -0.7 19:57 5.8
4 00:42 4.7 06:42 0.6 Fri 13:09 5.4 19:35 0.6	12 01:27 0.2 07:37 5.1 Sat 13:51 0.4 19:51 5.1	20 00:45 4.1 06:25 0.9 Sun 12:52 5.0 19:45 0.9	28 02:19 -0.8 08:26 6.4 Mon 14:52 -0.8 ● 20:46 5.7
5 01:39 4.4 07:43 1.0 Sat 14:04 5.1 ○ 20:41 0.8	13 02:04 0.1 08:12 5.3 Sun 14:32 0.3 ○ 20:28 5.1	21 01:47 4.2 07:37 1.0 Mon 13:56 5.0 ● 21:00 0.8	29 03:06 -0.7 09:13 6.4 Tue 15:42 -0.7 21:35 5.4
6 02:36 4.3 08:52 1.2 Sun 14:59 4.9 21:45 0.9	14 02:41 0.1 08:44 5.3 Mon 15:12 0.3 21:03 5.0	22 02:49 4.3 09:02 0.9 Tue 15:02 5.1 22:06 0.5	30 03:52 -0.5 10:01 6.2 Wed 16:31 -0.5 22:26 5.1
7 03:34 4.2 09:56 1.2 Mon 15:56 4.8 22:40 0.8	15 03:15 0.2 09:15 5.3 Tue 15:50 0.3 21:37 4.8	23 03:53 4.6 10:15 0.6 Wed 16:08 5.2 23:02 0.1	31 04:37 -0.2 10:51 5.8 Thu 17:19 -0.2 23:21 4.7
8 04:32 4.2 10:52 1.1 Tue 16:52 4.8 23:27 0.6	16 03:49 0.3 09:45 5.3 Wed 16:28 0.4 22:14 4.6	24 04:56 5.0 11:17 0.2 Thu 17:13 5.4 23:54 -0.3	

Slack water at Sandy Hook occurs 50 minutes after H.W. and 1 hour and 10 minutes after L.W. and lasts about 25 minutes.

The phase age of the tide is the interval by which spring tides follow full or new moon, and thus likewise the interval by which neap tide follows the moon's first and third quarters. The phase of the tides at Ft. Hamilton is 26.5 hours.

TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME

Sandy Hook - November 2019

Times and Heights of High and Low Waters

1 05:23 0.2 11:44 5.5 Fri 18:08 0.2	9 05:24 4.8 11:40 0.5 Sat 17:39 4.7 23:48 0.1	17 04:26 0.4 10:38 5.2 Sun 17:26 0.3 23:34 4.2	25 00:07 -0.7 06:19 6.1 Mon 12:45 -0.7 18:38 5.2
2 00:17 4.4 06:11 0.7 Sat 12:38 5.1 19:02 0.5	10 06:03 5.1 12:23 0.3 Sun 18:20 4.7	18 05:19 0.6 11:40 5.1 Mon 18:28 0.4	26 00:55 -0.7 07:06 6.2 Tue 13:35 -0.8 ● 19:27 5.1
3 01:14 4.2 06:07 1.0 Sun 12:31 4.8 19:02 0.7	11 00:27 0.1 06:39 5.3 Mon 13:06 0.1 18:59 4.7	19 00:35 4.2 06:29 0.7 Tue 12:43 5.0 ◐ 19:36 0.3	27 01:42 -0.6 07:52 6.1 Wed 14:24 -0.7 20:16 4.9
4 01:09 4.1 07:13 1.2 Mon 13:25 4.6 ◐ 20:04 0.8	12 01:05 0.0 07:12 5.4 Tue 13:48 0.0 ○ 19:36 4.7	20 01:35 4.4 07:48 0.6 Wed 13:45 5.0 20:41 0.1	28 02:28 -0.4 08:38 5.9 Thu 15:11 -0.6 21:05 4.7
5 02:03 4.1 08:20 1.3 Tue 14:18 4.5 21:00 0.8	13 01:44 0.0 07:45 5.4 Wed 14:29 0.0 20:14 4.6	21 02:35 4.7 09:00 0.4 Thu 14:48 5.0 21:37 -0.2	29 03:13 -0.1 09:25 5.6 Fri 15:56 -0.3 21:57 4.4
6 02:57 4.1 09:19 1.1 Wed 15:12 4.5 21:47 0.6	14 02:22 0.1 08:19 5.4 Thu 15:10 0.0 20:54 4.4	22 03:36 5.0 10:02 0.1 Fri 15:51 5.0 22:29 -0.4	30 03:57 0.2 10:14 5.2 Sat 16:41 -0.1 22:50 4.2
7 03:50 4.3 10:10 0.9 Thu 16:05 4.5 22:30 0.4	15 03:01 0.2 08:57 5.4 Fri 15:51 0.1 21:40 4.3	23 04:35 5.4 10:58 -0.3 Sat 16:52 5.1 23:19 -0.6	
8 04:39 4.5 10:56 0.7 Fri 16:54 4.6 23:10 0.3	16 03:41 0.3 09:43 5.3 Sat 16:36 0.2 22:35 4.2	24 05:29 5.8 11:52 -0.5 Sun 17:47 5.2	

Slack water at Sandy Hook occurs 50 minutes after H.W. and 1 hour and 10 minutes after L.W. and lasts about 25 minutes.

The phase age of the tide is the interval by which spring tides follow full or new moon, and thus likewise the interval by which neap tide follows the moon's first and third quarters. The phase of the tides at Ft. Hamilton is 26.5 hours.

Sandy Hook - December 2019

Times and Heights of High and Low Waters

1 Sun 04:42 0.5 11:05 4.9 17:27 0.2 23:43 4.0	9 Mon 05:25 4.9 11:54 0.2 17:47 4.3 23:51 0.0	17 Tue 05:14 0.1 11:29 5.1 18:07 -0.2	25 Wed 00:34 -0.6 06:48 5.7 13:19 -0.7 19:11 4.6
2 Mon 05:30 0.8 11:56 4.6 18:17 0.5	10 Tue 06:05 5.1 12:39 0.0 18:30 4.4	18 Wed 00:19 4.5 06:18 0.3 12:28 4.9 19:09 -0.1	26 Thu 01:22 -0.5 07:33 5.7 14:06 -0.7 ● 19:58 4.5
3 Tue 00:35 3.9 06:27 1.1 12:46 4.4 19:13 0.6	11 Wed 00:33 -0.1 06:43 5.3 13:24 -0.2 19:12 4.4	19 Thu 01:17 4.6 07:31 0.3 13:28 4.8 ◐ 20:12 -0.2	27 Fri 02:08 -0.4 08:17 5.5 14:50 -0.6 20:44 4.4
4 Wed ◐ 01:25 3.9 07:33 1.2 13:35 4.2 20:08 0.6	12 Thu ◐ 01:17 -0.2 07:21 5.5 14:09 -0.3 19:54 4.4	20 Fri 02:15 4.8 08:43 0.2 14:28 4.6 21:11 -0.3	28 Sat 02:52 -0.2 09:01 5.3 15:32 -0.4 21:31 4.3
5 Thu 02:15 4.0 08:37 1.1 14:26 4.1 20:59 0.6	13 Fri 02:01 -0.2 08:01 5.5 14:53 -0.4 20:38 4.4	21 Sat 03:14 5.0 09:46 0.0 15:30 4.6 22:05 -0.4	29 Sun 03:34 0.0 09:46 5.0 16:12 -0.2 22:19 4.1
6 Fri 03:05 4.1 09:32 0.9 15:18 4.1 21:45 0.4	14 Sat 02:45 -0.2 08:45 5.5 15:37 -0.4 21:28 4.4	22 Sun 04:13 5.3 10:43 -0.3 16:32 4.5 22:56 -0.5	30 Mon 04:15 0.3 10:32 4.7 16:52 0.0 23:08 4.0
7 Sat 03:54 4.3 10:22 0.7 16:10 4.1 22:28 0.3	15 Sun 03:31 -0.2 09:34 5.4 16:23 -0.4 22:22 4.3	23 Mon 05:09 5.5 11:37 -0.5 17:30 4.6 23:45 -0.6	31 Tue 04:56 0.5 11:19 4.5 17:32 0.2
8 Sun 04:41 4.6 11:09 0.4 17:01 4.2 23:09 0.1	16 Mon 04:19 -0.1 10:30 5.2 17:12 -0.3 23:21 4.4	24 Tue 06:00 5.7 12:29 -0.6 18:22 4.6	

Slack water at Sandy Hook occurs 50 minutes after H.W. and 1 hour and 10 minutes after L.W. and lasts about 25 minutes.

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