



## NOAA Tide Predictions

### CHRISTMAS BAY, Texas, 2016

The NOAA Tide Predictions application provides predictions in both graphical and tabular formats, with many user selected options, for over 3000 stations broken down by key areas in each state. Users can also access stations via the Google map interface. Additional information can be found in the help page.

**Station Types:** The NOAA Tide Predictions application provides predictions from 2 distinct categories of stations at over 3000 locations:

**Harmonic** - The predicted height values for Harmonic stations are conducted by combining the harmonic constituents into a single tide curve.

**Subordinate** - The high and low height values for Subordinate stations are obtained by means and differences, and ratios applied to the full harmonic constant predictions at a specific Harmonic station (a Reference station).

**Disclaimer:** The official Tide prediction tables are published annually on October 1, for the following calendar year. Tide predictions generated prior to the publishing date of the official tables are subject to change. The predictions from the web based NOAA Tidal Predictions are based upon the latest information available as of the date of your request. Tide predictions generated may differ from the official published predictions if information for the station requested has been updated since the publishing date of the official published tables.



StationId:8772132  
 Source:NOAA/NOS/CO-OPS  
 Station Type:Subordinate  
 Time Zone:LST/LDT

NOAA Tide Predictions

CHRISTMAS BAY,Texas,2016

Datum:mean lower low water (MLLW) which is the chart datum of soundings

Times and Heights of High and Low Waters

January				February				March			
Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height
h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm
1 Su	02:10 AM 0.2 6 08:04 AM 0.1 3 02:22 PM 0.3 9 05:05 PM 0.1 3	16 Sa	01:38 AM 0.5 15 06:10 AM 0.0 0 02:45 PM 0.3 9 05:22 PM 0.1 3	1 M	01:52 AM 0.4 12 07:32 AM 0.0 0 05:43 PM 0.4 12 06:02 PM 0.1 3	16 Tu	01:44 AM 0.5 15 07:46 AM -0.1 -3 06:18 PM 0.6 18 09:38 PM 0.2 6	1 Tu	05:55 AM 0.0 0 04:46 PM 0.5 15 05:39 PM 0.2 6 10:35 PM 0.5 15	16 W	08:14 AM 0.0 0 06:53 PM 0.7 21 11:02 PM 0.2 6
2 Sa	02:56 AM 0.5 15 08:31 AM 0.0 0 04:27 PM 0.3 9 06:04 PM 0.1 3	17 Su	02:09 AM 0.5 15 07:16 AM 0.0 0 04:41 PM 0.4 12 06:51 PM 0.1 3	2 Tu	02:13 AM 0.4 12 08:15 AM -0.1 -3 06:51 PM 0.4 12 09:15 PM 0.2 6	17 W	02:38 AM 0.5 15 08:50 AM -0.1 -3 07:20 PM 0.6 18 10:41 PM 0.2 6	2 W	06:55 AM 0.0 0 06:00 PM 0.6 18	17 Th	03:19 AM 0.6 18 09:29 AM 0.0 0 07:49 PM 0.7 21 11:38 PM 0.2 6
3 Su	03:20 AM 0.5 15 08:56 AM 0.0 0 06:06 PM 0.4 12 07:43 PM 0.1 3	18 M	02:42 AM 0.5 15 08:15 AM -0.1 -3 06:15 PM 0.5 15 08:49 PM 0.2 6	3 W	02:36 AM 0.4 12 08:56 AM -0.1 -3 07:33 PM 0.5 15 10:31 PM 0.2 6	18 Th	03:43 AM 0.5 15 09:48 AM -0.1 -3 08:06 PM 0.6 18 11:19 PM 0.2 6	3 Th	07:55 AM 0.0 0 06:49 PM 0.6 18	18 F	04:49 AM 0.6 18 10:35 AM 0.0 0 08:29 PM 0.7 21
4 M	03:42 AM 0.5 15 09:21 AM 0.0 0 07:10 PM 0.4 12 09:27 PM 0.2 6	19 Tu	03:19 AM 0.5 15 09:09 AM -0.1 -3 07:24 PM 0.5 15 10:20 PM 0.2 6	4 Th	03:10 AM 0.4 12 09:35 AM -0.1 -3 08:08 PM 0.5 15 10:40 PM 0.2 6	19 F	04:48 AM 0.5 15 10:39 AM -0.1 -3 08:43 PM 0.6 18 11:47 PM 0.2 6	4 F	08:50 AM 0.0 0 07:25 PM 0.6 18 10:12 PM 0.2 6	19 Sa	12:05 AM 0.2 6 06:06 AM 0.6 18 11:31 AM 0.0 0 08:58 PM 0.7 21
5 Tu	04:03 AM 0.5 15 09:47 AM -0.1 -3 07:54 PM 0.5 15 10:29 PM 0.2 6	20 W	04:02 AM 0.5 15 09:58 AM -0.2 -6 08:17 PM 0.6 18 11:18 PM 0.2 6	5 F	04:00 AM 0.5 15 10:15 AM -0.1 -3 08:40 PM 0.5 15 10:50 PM 0.2 6	20 Sa	05:48 AM 0.5 15 11:25 AM -0.1 -3 09:12 PM 0.6 18	5 Sa	03:38 AM 0.6 18 09:42 AM -0.1 -3 07:54 PM 0.6 18 10:18 PM 0.2 6	20 Su	12:28 AM 0.2 6 07:10 AM 0.7 21 12:17 PM 0.0 0 09:19 PM 0.7 21
6 W	04:25 AM 0.5 15 10:15 AM -0.1 -3 08:30 PM 0.5 15 11:05 PM 0.2 6	21 Th	04:49 AM 0.5 15 10:46 AM -0.2 -6 09:01 PM 0.6 18 11:59 PM 0.2 6	6 Sa	04:55 AM 0.5 15 10:55 AM -0.2 -6 09:11 PM 0.6 18 11:13 PM 0.2 6	21 Su	12:09 AM 0.2 6 06:42 AM 0.6 18 12:05 PM -0.1 -3 09:37 PM 0.6 18	6 Su	05:00 AM 0.6 18 10:31 AM -0.1 -3 08:21 PM 0.6 18 10:46 PM 0.2 6	21 M	12:47 AM 0.2 6 08:07 AM 0.7 21 12:56 PM 0.1 3 09:37 PM 0.6 18
7 Th	04:48 AM 0.5 15 10:45 AM -0.1 -3 09:05 PM 0.6 18 11:27 PM 0.2 6	22 F	05:38 AM 0.5 15 11:30 AM -0.2 -6 09:41 PM 0.6 18	7 Su	05:51 AM 0.5 15 11:36 AM -0.2 -6 09:40 PM 0.6 18 11:47 PM 0.2 6	22 M	12:30 AM 0.1 3 07:34 AM 0.5 15 12:40 PM -0.1 -3 09:59 PM 0.5 15	7 M	06:11 AM 0.7 21 11:19 AM -0.1 -3 08:47 PM 0.6 18 11:24 PM 0.2 6	22 Tu	01:05 AM 0.2 6 09:48 AM 0.7 21 01:28 PM 0.1 3 09:53 PM 0.6 18
8 F	05:16 AM 0.5 15 11:18 AM -0.2 -6 09:40 PM 0.6 18 11:50 PM 0.2 6	23 Sa	12:31 AM 0.2 6 06:27 AM 0.5 15 12:12 PM -0.2 -6 10:16 PM 0.6 18	8 M	06:50 AM 0.6 18 12:19 PM -0.2 -6 10:10 PM 0.5 15	23 Tu	12:54 AM 0.1 3 08:24 AM 0.5 15 01:11 PM 0.0 0 10:19 PM 0.5 15	8 Tu	07:19 AM 0.7 21 12:07 PM 0.0 0 09:11 PM 0.6 18	23 W	01:26 AM 0.1 3 09:48 AM 0.7 21 01:56 PM 0.1 3 10:09 PM 0.6 18
9 Sa	05:50 AM 0.5 15 11:54 AM -0.2 -6 10:16 PM 0.6 18	24 Su	12:59 AM 0.2 6 07:14 AM 0.5 15 12:51 PM -0.2 -6 10:49 PM 0.5 15	9 Tu	12:28 AM 0.1 3 07:51 AM 0.6 18 01:02 PM -0.1 -3 10:38 PM 0.5 15	24 W	01:23 AM 0.1 3 09:15 AM 0.5 15 01:40 PM 0.0 0 10:40 PM 0.5 15	9 W	12:08 AM 0.1 3 08:26 AM 0.7 21 12:54 PM 0.0 0 09:36 PM 0.6 18	24 Th	01:50 AM 0.1 3 10:37 AM 0.7 21 02:23 PM 0.1 3 10:25 PM 0.6 18
10 Su	12:17 AM 0.2 6 06:29 AM 0.6 18 12:32 PM -0.2 -6 10:52 PM 0.6 18	25 M	01:29 AM 0.1 3 08:01 AM 0.5 15 01:27 PM -0.1 -3 11:19 PM 0.5 15	10 W	01:15 AM 0.1 3 08:59 AM 0.5 15 01:47 PM -0.1 -3 11:06 PM 0.5 15	25 Th	01:57 AM 0.1 3 10:11 AM 0.5 15 02:09 PM 0.0 0 11:00 PM 0.5 15	10 Th	12:55 AM 0.1 3 09:36 AM 0.7 21 01:43 PM 0.0 0 10:02 PM 0.6 18	25 F	02:19 AM 0.1 3 11:27 AM 0.7 21 02:52 PM 0.2 6 10:42 PM 0.6 18
11 M	12:53 AM 0.2 6 07:15 AM 0.5 15 01:12 PM -0.2 -6 11:28 PM 0.6 18	26 Tu	02:05 AM 0.1 3 08:50 AM 0.4 12 02:01 PM -0.1 -3 11:48 PM 0.5 15	11 Th	02:08 AM 0.1 3 10:15 AM 0.5 15 02:33 PM 0.0 0 11:34 PM 0.5 15	26 F	02:35 AM 0.1 3 11:12 AM 0.5 15 02:39 PM 0.1 3 11:20 PM 0.5 15	11 F	01:46 AM 0.0 0 10:49 AM 0.7 21 02:34 PM 0.1 3 10:28 PM 0.6 18	26 Sa	02:52 AM 0.1 3 12:21 PM 0.7 21 03:24 PM 0.2 6 10:55 PM 0.6 18
12 Tu	01:37 AM 0.2 6 08:08 AM 0.5 15 01:54 PM -0.1 -3	27 W	02:48 AM 0.1 3 09:45 AM 0.4 12 02:33 PM -0.1 -3	12 F	03:08 AM 0.0 0 11:41 AM 0.5 15 03:23 PM 0.0 0	27 Sa	03:18 AM 0.0 0 12:23 PM 0.5 15 03:11 PM 0.1 3 11:38 PM 0.5 15	12 Sa	02:40 AM 0.0 0 12:08 PM 0.7 21 03:30 PM 0.2 6 10:55 PM 0.6 18	27 Su	03:27 AM 0.1 3 01:18 PM 0.7 21 04:00 PM 0.2 6 11:01 PM 0.6 18
13 W	12:03 AM 0.5 15 02:32 AM 0.1 3 09:15 AM 0.5 15 02:38 PM -0.1 -3	28 Th	12:15 AM 0.4 12 03:41 AM 0.1 3 10:53 AM 0.3 9 03:04 PM 0.0 0	13 Sa	12:02 AM 0.5 15 04:13 AM 0.0 0 01:19 PM 0.5 15 04:18 PM 0.1 3	28 Su	04:05 AM 0.0 0 01:44 PM 0.5 15 03:47 PM 0.1 3 11:51 PM 0.5 15	13 Su	04:39 AM 0.0 0 02:33 PM 0.7 21 05:37 PM 0.2 6	28 M	04:07 AM 0.0 0 02:23 PM 0.7 21 10:42 PM 0.2 6 04:47 PM 0.6 18
14 Th	12:36 AM 0.5 15 03:38 AM 0.1 3 10:44 AM 0.4 12 03:26 PM -0.1 -3	29 F	12:41 AM 0.4 12 04:42 AM 0.1 3 12:20 PM 0.3 9 03:36 PM 0.0 0	14 Su	12:31 AM 0.5 15 05:23 AM 0.0 0 03:05 PM 0.5 15 05:31 PM 0.1 3	29 M	04:57 AM 0.0 0 03:15 PM 0.5 15 04:31 PM 0.2 6 11:47 PM 0.5 15	14 M	12:24 AM 0.6 18 05:45 AM 0.0 0 04:04 PM 0.7 21 07:27 PM 0.2 6	29 Tu	04:51 AM 0.0 0 03:35 PM 0.7 21 05:34 PM 0.3 9 10:11 PM 0.7 21
15 F	01:07 AM 0.5 15 04:54 AM 0.1 3 12:40 PM 0.3 9 04:18 PM 0.0 0	30 Sa	01:06 AM 0.4 12 05:45 AM 0.0 0 02:05 PM 0.3 9 04:10 PM 0.1 3	15 M	01:04 AM 0.5 15 06:35 AM -0.1 -3 04:51 PM 0.5 15 07:37 PM 0.2 6			15 Tu	12:58 AM 0.6 18 06:57 AM 0.0 0 05:35 PM 0.7 21	30 W	05:43 AM 0.0 0 04:50 PM 0.7 21
		31 Su	01:29 AM 0.4 12 06:42 AM 0.0 0 03:58 PM 0.3 9 04:51 PM 0.1 3							31 Th	06:43 AM 0.0 0 05:58 PM 0.8 24

Disclaimer: These data are based upon the latest information available as of the date of your request, and may differ from the published tide tables.

Referenced to Station: Galveston Pier 21 ( 8771450 ) Time offset in mins ( high:287 low: 157 ) Height offset in feet ( high: \* 0.58 low: \*0.23 )





StationId:8772132  
 Source:NOAA/NOS/CO-OPS  
 Station Type:Subordinate  
 Time Zone:LST/LDT

NOAA Tide Predictions

**CHRISTMAS BAY, Texas, 2016**

Datum:mean lower low water (MLLW) which is the chart datum of soundings

**Times and Heights of High and Low Waters**

July					August					September				
Time	Height	Time	Height		Time	Height	Time	Height		Time	Height	Time	Height	
h m	ft cm	h m	ft cm		h m	ft cm	h m	ft cm		h m	ft cm	h m	ft cm	
<b>1</b> F	08:47 AM 0.8 24 11:37 AM 0.3 9 05:29 PM 0.7 21 11:20 PM -0.1 -3	<b>16</b> Sa	09:33 AM 0.7 21 12:43 PM 0.3 9 05:07 PM 0.7 21 11:30 PM -0.1 -3	<b>1</b> M	10:17 AM 0.9 27 01:16 PM 0.3 9 06:57 PM 0.8 24	<b>16</b> Tu	09:55 AM 0.8 24 12:17 PM 0.3 9 06:27 PM 0.8 24	<b>1</b> Th	01:17 AM 0.1 3 10:34 AM 0.9 27 01:51 PM 0.2 6 09:14 PM 0.8 24	<b>16</b> F	12:37 AM 0.1 3 09:44 AM 0.9 27 12:52 PM 0.2 6 09:05 PM 1.0 30			
<b>2</b> Sa	09:40 AM 0.9 27 12:43 PM 0.3 9 06:09 PM 0.7 21	<b>17</b> Su	10:02 AM 0.8 24 12:58 PM 0.3 9 05:39 PM 0.7 21	<b>2</b> Tu	12:45 AM -0.1 -3 10:52 AM 0.8 24 01:50 PM 0.3 9 07:53 PM 0.7 21	<b>17</b> W	12:15 AM 0.0 0 10:21 AM 0.8 24 12:43 PM 0.3 9 07:27 PM 0.8 24	<b>2</b> F	01:51 AM 0.1 3 10:55 AM 0.8 24 02:22 PM 0.2 6 10:10 PM 0.8 24	<b>17</b> Sa	01:22 AM 0.1 3 10:06 AM 0.9 27 01:35 PM 0.2 6 10:14 PM 1.0 30			
<b>3</b> Su	12:07 AM -0.1 -3 10:28 AM 0.9 27 01:35 PM 0.3 9 06:55 PM 0.7 21	<b>18</b> M	12:02 AM -0.1 -3 10:32 AM 0.8 24 01:06 PM 0.3 9 06:17 PM 0.7 21	<b>3</b> W	01:28 AM -0.1 -3 11:25 AM 0.8 24 02:26 PM 0.2 6 08:49 PM 0.7 21	<b>18</b> Th	12:54 AM 0.0 0 10:47 AM 0.8 24 01:18 PM 0.2 6 08:30 PM 0.8 24	<b>3</b> Sa	02:23 AM 0.1 3 11:15 AM 0.8 24 02:55 PM 0.2 6 11:09 PM 0.8 24	<b>18</b> Su	02:08 AM 0.2 6 10:28 AM 0.9 27 02:22 PM 0.1 3 11:26 PM 1.0 30			
<b>4</b> M	12:53 AM -0.1 -3 11:13 AM 0.9 27 02:21 PM 0.3 9 07:43 PM 0.7 21	<b>19</b> Tu	12:36 AM -0.1 -3 11:03 AM 0.8 24 01:25 PM 0.3 9 07:00 PM 0.7 21	<b>4</b> Th	02:07 AM 0.0 0 11:55 AM 0.8 24 03:07 PM 0.2 6 09:46 PM 0.7 21	<b>19</b> F	01:34 AM 0.0 0 11:11 AM 0.8 24 02:01 PM 0.2 6 09:37 PM 0.8 24	<b>4</b> Su	02:52 AM 0.2 6 11:34 AM 0.8 24 03:31 PM 0.2 6	<b>19</b> M	02:56 AM 0.2 6 10:51 AM 0.9 27 03:13 PM 0.1 3			
<b>5</b> Tu	01:38 AM -0.1 -3 11:56 AM 0.9 27 03:08 PM 0.3 9 08:32 PM 0.7 21	<b>20</b> W	01:11 AM -0.1 -3 11:34 AM 0.8 24 01:55 PM 0.3 9 07:48 PM 0.7 21	<b>5</b> F	02:44 AM 0.0 0 12:23 PM 0.7 21 03:52 PM 0.2 6 10:49 PM 0.6 18	<b>20</b> Sa	02:16 AM 0.0 0 11:36 AM 0.8 24 02:49 PM 0.2 6 10:52 PM 0.8 24	<b>5</b> M	12:13 AM 0.8 24 03:21 AM 0.2 6 11:53 AM 0.8 24 04:12 PM 0.1 3	<b>20</b> Tu	12:43 AM 1.0 30 03:47 AM 0.3 9 11:14 AM 0.9 27 04:08 PM 0.1 3			
<b>6</b> W	02:22 AM -0.1 -3 12:38 PM 0.8 24 04:02 PM 0.2 6 09:24 PM 0.6 18	<b>21</b> Th	01:48 AM -0.1 -3 12:05 PM 0.8 24 02:35 PM 0.2 6 08:44 PM 0.7 21	<b>6</b> Sa	03:19 AM 0.1 3 12:49 PM 0.7 21 04:42 PM 0.2 6	<b>21</b> Su	02:59 AM 0.1 3 12:00 PM 0.8 24 03:42 PM 0.1 3	<b>6</b> Tu	01:25 AM 0.8 24 03:52 AM 0.2 6 12:08 PM 0.8 24 04:57 PM 0.1 3	<b>21</b> W	02:06 AM 1.0 30 04:47 AM 0.3 9 11:38 AM 0.9 27 05:10 PM 0.1 3			
<b>7</b> Th	03:05 AM -0.1 -3 01:17 PM 0.8 24 05:09 PM 0.2 6 10:23 PM 0.6 18	<b>22</b> F	02:27 AM -0.1 -3 12:35 PM 0.7 21 03:24 PM 0.2 6 09:52 PM 0.6 18	<b>7</b> Su	12:02 AM 0.6 18 03:50 AM 0.1 3 01:14 PM 0.7 21 05:35 PM 0.1 3	<b>22</b> M	12:16 AM 0.7 21 12:45 AM 0.1 3 12:24 PM 0.8 24 04:41 PM 0.1 3	<b>7</b> W	02:46 AM 0.8 24 04:25 AM 0.3 9 12:17 PM 0.8 24 05:47 PM 0.1 3	<b>22</b> Th	03:35 AM 1.0 30 06:16 AM 0.4 12 12:03 PM 0.9 27 06:18 PM 0.0 0			
<b>8</b> F	03:47 AM 0.0 0 01:53 PM 0.7 21 06:25 PM 0.2 6 11:41 PM 0.5 15	<b>23</b> Sa	03:07 AM 0.0 0 12:35 PM 0.7 21 04:21 PM 0.2 6 11:20 PM 0.6 18	<b>8</b> M	01:28 AM 0.5 15 04:21 AM 0.1 3 01:37 PM 0.7 21 06:30 PM 0.1 3	<b>23</b> Tu	01:50 AM 0.7 21 03:35 AM 0.2 6 12:49 PM 0.8 24 05:44 PM 0.1 3	<b>8</b> Th	04:18 AM 0.8 24 05:06 AM 0.3 9 11:58 AM 0.8 24 06:42 PM 0.1 3	<b>23</b> F	05:06 AM 1.0 30 07:33 PM 0.1 3			
<b>9</b> Sa	04:26 AM 0.0 0 02:26 PM 0.7 21 07:31 PM 0.2 6	<b>24</b> Su	03:50 AM 0.0 0 01:31 PM 0.7 21 05:24 PM 0.1 3	<b>9</b> Tu	03:10 AM 0.5 15 04:51 AM 0.2 6 01:58 PM 0.7 21 07:23 PM 0.1 3	<b>24</b> W	03:33 AM 0.8 24 05:36 AM 0.3 9 01:15 PM 0.8 24 06:52 PM 0.0 0	<b>9</b> F	05:50 AM 0.8 24 07:41 PM 0.1 3	<b>24</b> Sa	06:23 AM 1.0 30 08:48 PM 0.1 3			
<b>10</b> Su	01:25 AM 0.4 12 05:04 AM 0.1 3 02:55 PM 0.7 21 08:20 PM 0.1 3	<b>25</b> M	01:11 AM 0.5 15 04:37 AM 0.1 3 01:57 PM 0.7 21 06:29 PM 0.1 3	<b>10</b> W	05:05 AM 0.6 18 05:23 AM 0.2 6 02:16 PM 0.7 21 08:12 PM 0.1 3	<b>25</b> Th	05:18 AM 0.8 24 07:15 AM 0.3 9 01:47 PM 0.8 24 08:01 PM 0.0 0	<b>10</b> Sa	06:59 AM 0.9 27 08:38 PM 0.1 3	<b>25</b> Su	07:19 AM 1.0 30 11:21 AM 0.3 9 04:03 PM 0.9 27 09:57 PM 0.1 3			
<b>11</b> M	03:26 AM 0.4 12 05:43 AM 0.1 3 03:21 PM 0.6 18 08:58 PM 0.1 3	<b>26</b> Tu	03:11 AM 0.5 15 05:30 AM 0.1 3 02:23 PM 0.7 21 07:32 PM 0.0 0	<b>11</b> Th	02:31 PM 0.7 21 08:57 PM 0.0 0	<b>26</b> F	06:47 AM 0.9 27 10:02 AM 0.3 9 02:36 PM 0.8 24 09:08 PM 0.0 0	<b>11</b> Su	07:41 AM 0.9 27 09:32 PM 0.1 3	<b>26</b> M	07:59 AM 1.0 30 11:47 AM 0.3 9 05:33 PM 0.9 27 10:57 PM 0.1 3			
<b>12</b> Tu	05:33 AM 0.5 15 06:28 AM 0.2 6 03:43 PM 0.6 18 09:30 PM 0.0 0	<b>27</b> W	05:08 AM 0.6 18 06:41 AM 0.2 6 02:51 PM 0.7 21 08:31 PM 0.0 0	<b>12</b> F	08:02 AM 0.7 21 09:39 PM 0.0 0	<b>27</b> Sa	07:50 AM 0.9 27 11:20 AM 0.3 9 03:49 PM 0.8 24 10:09 PM 0.0 0	<b>12</b> M	08:11 AM 0.9 27 10:21 PM 0.1 3	<b>27</b> Tu	08:29 AM 1.0 30 12:13 PM 0.3 9 06:46 PM 0.9 27 11:47 PM 0.1 3			
<b>13</b> W	07:27 AM 0.5 15 08:14 AM 0.2 6 04:03 PM 0.6 18 10:01 PM 0.0 0	<b>28</b> Th	06:47 AM 0.7 21 08:33 AM 0.3 9 03:24 PM 0.7 21 09:27 PM -0.1 -3	<b>13</b> Sa	08:34 AM 0.8 24 10:19 PM 0.0 0	<b>28</b> Su	08:37 AM 0.9 27 11:59 AM 0.3 9 05:07 PM 0.8 24 11:05 PM 0.0 0	<b>13</b> Tu	08:37 AM 0.9 27 11:34 AM 0.3 9 05:37 PM 0.9 27 11:07 PM 0.1 3	<b>28</b> W	08:53 AM 1.0 30 12:37 PM 0.3 9 07:50 PM 0.9 27			
<b>14</b> Th	08:28 AM 0.6 18 10:46 AM 0.2 6 04:22 PM 0.6 18 10:30 PM 0.0 0	<b>29</b> F	07:59 AM 0.8 24 10:39 AM 0.3 9 04:07 PM 0.7 21 10:20 PM -0.1 -3	<b>14</b> Su	09:02 AM 0.8 24 10:58 PM 0.0 0	<b>29</b> M	09:14 AM 0.9 27 12:29 PM 0.3 9 06:17 PM 0.8 24 11:54 PM 0.0 0	<b>14</b> W	09:00 AM 0.9 27 11:45 AM 0.3 9 06:50 PM 0.9 27 11:52 PM 0.1 3	<b>29</b> Th	12:30 AM 0.2 6 09:12 AM 0.9 27 01:00 PM 0.2 6 08:47 PM 0.9 27			
<b>15</b> F	09:04 AM 0.7 21 12:02 PM 0.2 6 04:42 PM 0.6 18 11:00 PM 0.0 0	<b>30</b> Sa	08:53 AM 0.8 24 11:53 AM 0.3 9 05:00 PM 0.7 21 11:11 PM -0.1 -3	<b>15</b> M	09:29 AM 0.8 24 12:11 PM 0.3 9 05:27 PM 0.8 24 11:36 PM 0.0 0	<b>30</b> Tu	09:45 AM 0.9 27 12:56 PM 0.3 9 07:20 PM 0.8 24	<b>15</b> Th	09:22 AM 0.9 27 12:14 PM 0.3 9 07:58 PM 0.9 27	<b>30</b> F	01:05 AM 0.2 6 09:29 AM 0.9 27 01:22 PM 0.2 6 09:40 PM 0.9 27			
		<b>31</b> Su	09:37 AM 0.9 27 12:39 PM 0.3 9 05:58 PM 0.8 24 11:59 PM -0.1 -3			<b>31</b> W	12:38 AM 0.0 0 10:11 AM 0.9 27 01:23 PM 0.3 9 08:18 PM 0.8 24							

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CHRISTMAS BAY, Texas, 2016

Datum:mean lower low water (MLLW) which is the chart datum of soundings

Times and Heights of High and Low Waters

October				November				December			
Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height
h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm
<b>1</b> Sa	01:35 AM 0.2 6 09:45 AM 0.9 27 01:46 PM 0.2 6 10:31 PM 0.9 27	<b>16</b> Su	01:11 AM 0.2 6 08:57 AM 1.0 30 01:13 PM 0.1 3 10:37 PM 1.1 34	<b>1</b> Tu	02:12 AM 0.3 9 08:57 AM 0.9 27 02:10 PM 0.1 3	<b>16</b> W	01:49 AM 0.3 9 07:53 AM 0.9 27 01:32 PM -0.1 -3 11:50 PM 1.1 34	<b>1</b> Th	01:20 AM 0.3 9 07:06 AM 0.7 21 01:16 PM 0.0 0 11:46 PM 0.8 24	<b>16</b> F	02:26 AM 0.2 6 08:13 AM 0.7 21 02:09 PM -0.1 -3
<b>2</b> Su	02:03 AM 0.2 6 10:00 AM 0.9 27 02:13 PM 0.2 6 11:23 PM 0.9 27	<b>17</b> M	02:02 AM 0.3 9 09:20 AM 1.0 30 01:59 PM 0.1 3 11:44 PM 1.1 34	<b>2</b> W	12:13 AM 1.0 30 02:42 AM 0.3 9 09:04 AM 0.9 27 02:41 PM 0.1 3	<b>17</b> Th	02:49 AM 0.3 9 08:25 AM 0.9 27 02:24 PM -0.1 -3	<b>2</b> F	01:55 AM 0.3 9 07:11 AM 0.7 21 01:50 PM 0.0 0	<b>17</b> Sa	12:30 AM 0.8 24 03:36 AM 0.2 6 09:03 AM 0.6 18 03:00 PM -0.1 -3
<b>3</b> M	02:30 AM 0.3 9 10:14 AM 0.9 27 02:44 PM 0.1 3	<b>18</b> Tu	02:55 AM 0.3 9 09:44 AM 1.0 30 02:49 PM 0.0 0	<b>3</b> Th	01:02 AM 1.0 30 03:17 AM 0.3 9 08:59 AM 0.9 27 03:17 PM 0.1 3	<b>18</b> F	12:54 AM 1.0 30 04:11 AM 0.3 9 08:57 AM 0.9 27 03:20 PM 0.0 0	<b>3</b> Sa	12:32 AM 0.8 24 02:38 AM 0.3 9 07:13 AM 0.7 21 02:27 PM 0.0 0	<b>18</b> Su	01:20 AM 0.7 21 05:17 AM 0.2 6 10:07 AM 0.5 15 03:52 PM -0.1 -3
<b>4</b> Tu	12:17 AM 1.0 30 03:00 AM 0.3 9 10:26 AM 0.9 27 03:18 PM 0.1 3	<b>19</b> W	12:53 AM 1.1 34 03:53 AM 0.4 12 10:10 AM 1.0 30 03:43 PM 0.0 0	<b>4</b> F	01:57 AM 1.0 30 03:59 AM 0.3 9 08:44 AM 0.9 27 03:56 PM 0.1 3	<b>19</b> Sa	01:58 AM 1.0 30 04:21 PM 0.0 0	<b>4</b> Su	01:21 AM 0.8 24 03:07 PM 0.0 0	<b>19</b> M	02:07 AM 0.7 21 06:58 AM 0.2 6 11:45 AM 0.4 12 04:49 PM 0.0 0
<b>5</b> W	01:15 AM 1.0 30 03:33 AM 0.3 9 10:30 AM 0.9 27 03:57 PM 0.1 3	<b>20</b> Th	02:06 AM 1.1 34 05:07 AM 0.4 12 10:34 AM 1.0 30 04:42 PM 0.0 0	<b>5</b> Sa	02:57 AM 1.0 30 04:40 PM 0.1 3	<b>20</b> Su	02:59 AM 0.9 27 05:29 PM 0.1 3	<b>5</b> M	02:07 AM 0.8 24 03:53 PM 0.0 0	<b>20</b> Tu	02:48 AM 0.6 18 07:58 AM 0.1 3 01:52 PM 0.4 12 05:54 PM 0.1 3
<b>6</b> Th	02:20 AM 1.0 30 04:12 AM 0.3 9 10:11 AM 0.9 27 04:40 PM 0.1 3	<b>21</b> F	03:23 AM 1.1 34 05:49 PM 0.1 3	<b>6</b> Su	02:58 AM 0.9 27 04:32 PM 0.1 3	<b>21</b> M	03:51 AM 0.9 27 08:58 AM 0.2 6 01:42 PM 0.6 18 06:47 PM 0.1 3	<b>6</b> Tu	02:47 AM 0.7 21 04:46 PM 0.0 0	<b>21</b> W	03:22 AM 0.6 18 08:39 AM 0.1 3 03:59 PM 0.4 12 07:16 PM 0.1 3
<b>7</b> F	03:33 AM 1.0 30 05:04 AM 0.4 12 09:31 AM 0.9 27 05:30 PM 0.1 3	<b>22</b> Sa	04:39 AM 1.1 34 07:03 PM 0.1 3	<b>7</b> M	03:51 AM 0.9 27 05:32 PM 0.1 3	<b>22</b> Tu	04:31 AM 0.8 24 09:27 AM 0.2 6 03:48 PM 0.6 18 08:07 PM 0.1 3	<b>7</b> W	03:19 AM 0.7 21 08:42 AM 0.2 6 01:55 PM 0.5 15 05:51 PM 0.1 3	<b>22</b> Th	03:49 AM 0.5 15 09:13 AM 0.0 0 05:49 PM 0.4 12 08:46 PM 0.1 3
<b>8</b> Sa	04:49 AM 1.0 30 06:28 PM 0.1 3	<b>23</b> Su	05:43 AM 1.0 30 08:23 PM 0.1 3	<b>8</b> Tu	04:30 AM 0.9 27 06:40 PM 0.1 3	<b>23</b> W	05:01 AM 0.8 24 09:56 AM 0.2 6 05:29 PM 0.6 18 09:19 PM 0.2 6	<b>8</b> Th	03:46 AM 0.7 21 08:26 AM 0.1 3 04:16 PM 0.5 15 07:08 PM 0.1 3	<b>23</b> F	04:12 AM 0.5 15 09:43 AM 0.0 0 07:08 PM 0.5 15 10:00 PM 0.2 6
<b>9</b> Su	05:53 AM 1.0 30 07:32 PM 0.1 3	<b>24</b> M	06:31 AM 1.0 30 11:00 AM 0.3 9 04:27 PM 0.8 24 09:38 PM 0.1 3	<b>9</b> W	04:59 AM 0.9 27 09:33 AM 0.3 9 03:45 PM 0.7 21 07:52 PM 0.1 3	<b>24</b> Th	05:24 AM 0.8 24 10:22 AM 0.1 3 06:46 PM 0.7 21 10:18 PM 0.2 6	<b>9</b> F	04:10 AM 0.7 21 08:53 AM 0.1 3 05:50 PM 0.6 18 08:32 PM 0.2 6	<b>24</b> Sa	04:32 AM 0.5 15 10:09 AM 0.0 0 08:00 PM 0.5 15 10:55 PM 0.2 6
<b>10</b> M	06:37 AM 1.0 30 08:37 PM 0.1 3	<b>25</b> Tu	07:05 AM 1.0 30 11:26 AM 0.3 9 06:02 PM 0.8 24 10:42 PM 0.2 6	<b>10</b> Th	05:23 AM 0.9 27 09:29 AM 0.2 6 05:24 PM 0.8 24 09:02 PM 0.2 6	<b>25</b> F	05:41 AM 0.7 21 10:45 AM 0.1 3 07:45 PM 0.7 21 11:06 PM 0.2 6	<b>10</b> Sa	04:34 AM 0.7 21 09:30 AM 0.0 0 07:02 PM 0.7 21 09:50 PM 0.2 6	<b>25</b> Su	04:52 AM 0.5 15 10:34 AM -0.1 -3 08:38 PM 0.6 18 11:33 PM 0.2 6
<b>11</b> Tu	07:08 AM 1.0 30 11:35 AM 0.3 9 04:16 PM 0.9 27 09:39 PM 0.1 3	<b>26</b> W	07:30 AM 0.9 27 11:51 AM 0.2 6 07:18 PM 0.9 27 11:35 PM 0.2 6	<b>11</b> F	05:44 AM 0.9 27 09:55 AM 0.1 3 06:41 PM 0.9 27 10:07 PM 0.2 6	<b>26</b> Sa	05:57 AM 0.7 21 11:06 AM 0.0 0 08:32 PM 0.8 24 11:43 PM 0.2 6	<b>11</b> Su	05:00 AM 0.7 21 10:11 AM -0.1 -3 08:03 PM 0.8 24 10:56 PM 0.2 6	<b>26</b> M	05:12 AM 0.5 15 10:59 AM -0.1 -3 09:10 PM 0.6 18 11:54 PM 0.2 6
<b>12</b> W	07:33 AM 1.0 30 11:03 AM 0.3 9 05:58 PM 0.9 27 10:36 PM 0.1 3	<b>27</b> Th	07:49 AM 0.9 27 12:14 PM 0.2 6 08:20 PM 0.9 27	<b>12</b> Sa	06:05 AM 0.9 27 10:30 AM 0.1 3 07:47 PM 1.0 30 11:06 PM 0.2 6	<b>27</b> Su	06:12 AM 0.7 21 11:27 AM 0.0 0 09:11 PM 0.8 24	<b>12</b> M	05:30 AM 0.7 21 10:56 AM -0.1 -3 08:59 PM 0.8 24 11:52 PM 0.2 6	<b>27</b> Tu	05:35 AM 0.5 15 11:26 AM -0.1 -3 09:41 PM 0.6 18
<b>13</b> Th	07:54 AM 1.0 30 11:20 AM 0.3 9 07:16 PM 1.0 30 11:29 PM 0.2 6	<b>28</b> F	12:18 AM 0.2 6 08:05 AM 0.9 27 12:35 PM 0.2 6 09:13 PM 0.9 27	<b>13</b> Su	06:28 AM 0.9 27 11:11 AM 0.0 0 08:49 PM 1.0 30	<b>28</b> M	12:09 AM 0.3 9 06:27 AM 0.7 21 11:50 AM 0.0 0 09:48 PM 0.8 24	<b>13</b> Tu	06:05 AM 0.7 21 11:42 AM -0.2 -6 09:53 PM 0.9 27	<b>28</b> W	12:08 AM 0.2 6 05:59 AM 0.6 18 11:54 AM -0.1 -3 10:13 PM 0.6 18
<b>14</b> F	08:15 AM 1.0 30 11:52 AM 0.2 6 08:25 PM 1.0 30	<b>29</b> Sa	12:53 AM 0.3 9 08:19 AM 0.9 27 12:54 PM 0.1 3 10:00 PM 0.9 27	<b>14</b> M	12:02 AM 0.3 9 06:53 AM 0.9 27 11:55 AM 0.0 0 09:49 PM 1.1 34	<b>29</b> Tu	12:31 AM 0.3 9 06:42 AM 0.7 21 12:16 PM 0.0 0 10:25 PM 0.8 24	<b>14</b> W	12:43 AM 0.3 9 06:45 AM 0.7 21 12:30 PM -0.2 -6 10:45 PM 0.9 27	<b>29</b> Th	12:25 AM 0.2 6 06:24 AM 0.6 18 12:25 PM -0.1 -3 10:47 PM 0.6 18
<b>15</b> Sa	12:20 AM 0.2 6 08:35 AM 1.0 30 12:30 PM 0.1 3 09:31 PM 1.1 34	<b>30</b> Su	01:21 AM 0.3 9 08:33 AM 0.9 27 01:16 PM 0.1 3 10:44 PM 1.0 30	<b>15</b> Tu	12:55 AM 0.3 9 07:22 AM 0.9 27 12:42 PM -0.1 -3 10:49 PM 1.1 34	<b>30</b> W	12:53 AM 0.3 9 06:56 AM 0.7 21 12:44 PM 0.0 0 11:04 PM 0.8 24	<b>15</b> Th	01:32 AM 0.3 9 07:27 AM 0.7 21 01:19 PM -0.2 -6 11:38 PM 0.8 24	<b>30</b> F	12:52 AM 0.2 6 06:49 AM 0.6 18 12:57 PM -0.1 -3 11:23 PM 0.6 18
		<b>31</b> M	01:46 AM 0.3 9 08:46 AM 0.9 27 01:41 PM 0.1 3 11:28 PM 1.0 30							<b>31</b> Sa	01:27 AM 0.2 6 07:15 AM 0.5 15 01:31 PM -0.1 -3 11:59 PM 0.6 18

Disclaimer: These data are based upon the latest information available as of the date of your request, and may differ from the published tide tables.

Referenced to Station: Galveston Pier 21 ( 8771450 ) Time offset in mins (high:287 low: 157) Height offset in feet (high: \* 0.58 low: \*0.23)