



## NOAA Tide Predictions

**Newburgh, New York, 2012**

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.



Newburgh, New York, 2012

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	
h	m	ft	cm		h	m	ft	cm		h	m	ft	cm		h	m	ft	cm
<b>1</b>					<b>16</b>					<b>1</b>					<b>16</b>			
	12:17 PM	0.5	15			11:55 AM	0.1	3			06:16 AM	2.4	73			06:47 AM	2.9	88
	05:47 PM	2.3	70			05:12 PM	2.6	79			01:31 PM	0.5	15			01:52 PM	0.0	0
											06:52 PM	2.1	64			07:22 PM	2.4	73
<b>2</b>					<b>17</b>					<b>2</b>					<b>17</b>			
	12:28 AM	0.3	9			12:15 AM	0.0	0			01:26 AM	0.5	15			02:06 AM	0.0	0
	06:22 AM	2.5	76			05:57 AM	2.9	88			07:12 AM	2.4	73			07:57 AM	2.9	88
	01:16 PM	0.5	15			01:05 PM	0.1	3			02:24 PM	0.4	12			02:50 PM	-0.1	-3
	06:40 PM	2.2	67			06:18 PM	2.5	76			07:54 PM	2.1	64			08:32 PM	2.5	76
<b>3</b>					<b>18</b>					<b>3</b>					<b>18</b>			
	01:20 AM	0.3	9			01:20 AM	-0.1	-3			02:19 AM	0.4	12			03:04 AM	-0.1	-3
	07:14 AM	2.5	76			07:02 AM	3.0	91			08:13 AM	2.5	76			09:02 AM	3.0	91
	02:09 PM	0.4	12			02:08 PM	0.0	0			03:13 PM	0.3	9			03:44 PM	-0.2	-6
	07:38 PM	2.2	67			07:30 PM	2.4	73			08:52 PM	2.2	67			09:34 PM	2.7	82
<b>4</b>					<b>19</b>					<b>4</b>					<b>19</b>			
	02:08 AM	0.3	9			02:20 AM	-0.1	-3			03:08 AM	0.3	9			03:58 AM	-0.2	-6
	08:07 AM	2.6	79			08:10 AM	3.0	91			09:07 AM	2.7	82			09:58 AM	3.1	94
	02:59 PM	0.3	9			03:07 PM	-0.2	-6			04:00 PM	0.1	3			04:35 PM	-0.3	-9
	08:35 PM	2.2	67			08:42 PM	2.5	76			09:42 PM	2.3	70			10:25 PM	2.8	85
<b>5</b>					<b>20</b>					<b>5</b>					<b>20</b>			
	02:55 AM	0.3	9			03:17 AM	-0.2	-6			03:57 AM	0.1	3			04:50 AM	-0.2	-6
	08:58 AM	2.7	82			09:14 AM	3.2	98			09:53 AM	2.8	85			10:45 AM	3.2	98
	03:46 PM	0.2	6			04:02 PM	-0.3	-9			04:45 PM	0.0	0			05:22 PM	-0.4	-12
	09:27 PM	2.3	70			09:44 PM	2.6	79			10:26 PM	2.5	76			11:11 PM	2.9	88
<b>6</b>					<b>21</b>					<b>6</b>					<b>21</b>			
	03:40 AM	0.2	6			04:12 AM	-0.3	-9			04:44 AM	-0.1	-3			05:39 AM	-0.3	-9
	09:44 AM	2.8	85			10:10 AM	3.3	101			10:34 AM	3.0	91			11:29 AM	3.2	98
	04:31 PM	0.1	3			04:55 PM	-0.4	-12			05:29 PM	-0.2	-6			06:06 PM	-0.4	-12
	10:13 PM	2.4	73			10:39 PM	2.8	85			11:05 PM	2.7	82			11:53 PM	3.0	91
<b>7</b>					<b>22</b>					<b>7</b>					<b>22</b>			
	04:25 AM	0.1	3			05:05 AM	-0.4	-12			05:31 AM	-0.2	-6			06:24 AM	-0.3	-9
	10:23 AM	2.9	88			11:00 AM	3.3	101			11:12 AM	3.1	94			12:10 PM	3.2	98
	05:16 PM	-0.1	-3			05:45 PM	-0.5	-15			06:12 PM	-0.4	-12			06:48 PM	-0.4	-12
	10:54 PM	2.5	76			11:28 PM	2.9	88			11:43 PM	2.9	88					
<b>8</b>					<b>23</b>					<b>8</b>					<b>23</b>			
	05:10 AM	0.0	0			05:56 AM	-0.4	-12			06:17 AM	-0.4	-12			07:07 AM	-0.3	-9
	11:00 AM	3.0	91			11:47 AM	3.3	101			11:50 AM	3.2	98			12:51 PM	3.1	94
	05:59 PM	-0.2	-6			06:31 PM	-0.6	-18			06:53 PM	-0.5	-15			07:26 PM	-0.3	-9
	11:32 PM	2.6	79															
<b>9</b>					<b>24</b>					<b>9</b>					<b>24</b>			
	05:54 AM	-0.1	-3			12:14 AM	2.9	88			12:23 AM	3.0	91			01:13 AM	3.0	91
	11:34 AM	3.1	94			06:44 AM	-0.4	-12			07:03 AM	-0.4	-12			07:48 AM	-0.2	-6
	06:40 PM	-0.3	-9			12:31 PM	3.3	101			12:31 PM	3.2	98			01:32 PM	2.9	88
						07:15 PM	-0.6	-18			07:34 PM	-0.5	-15			08:02 PM	-0.2	-6
<b>10</b>					<b>25</b>					<b>10</b>					<b>25</b>			
	12:09 AM	2.6	79			01:00 AM	2.9	88			01:06 AM	3.1	94			01:53 AM	2.9	88
	06:37 AM	-0.2	-6			07:29 AM	-0.3	-9			11:48 AM	-0.5	-15			08:28 AM	0.0	0
	12:09 PM	3.1	94			01:16 PM	3.1	94			01:17 PM	3.2	98			02:14 PM	2.8	85
	07:20 PM	-0.4	-12			07:56 PM	-0.5	-15			08:14 PM	-0.5	-15			08:36 PM	0.0	0
<b>11</b>					<b>26</b>					<b>11</b>					<b>26</b>			
	12:48 AM	2.7	82			01:46 AM	2.8	85			01:54 AM	3.1	94			02:32 AM	2.8	85
	07:19 AM	-0.2	-6			08:12 AM	-0.2	-6			08:35 AM	-0.4	-12			09:07 AM	0.2	6
	12:47 PM	3.1	94			02:01 PM	3.0	91			02:07 PM	3.0	91			02:58 PM	2.6	79
	07:59 PM	-0.4	-12			08:36 PM	-0.3	-9			08:57 PM	-0.4	-12			09:08 PM	0.2	6
<b>12</b>					<b>27</b>					<b>12</b>					<b>27</b>			
	01:31 AM	2.7	82			02:32 AM	2.8	85			02:46 AM	3.1	94			03:11 AM	2.7	82
	08:01 AM	-0.2	-6			08:55 AM	0.0	0			09:27 AM	-0.2	-6			09:49 AM	0.3	9
	01:30 PM	3.1	94			02:47 PM	2.8	85			03:03 PM	2.9	88			03:42 PM	2.4	73
	08:38 PM	-0.4	-12			09:15 PM	-0.1	-3			09:45 PM	-0.3	-9			09:39 PM	0.4	12
<b>13</b>					<b>28</b>					<b>13</b>					<b>28</b>			
	02:18 AM	2.8	85			03:17 AM	2.7	82			03:41 AM	3.1	94			03:50 AM	2.6	79
	08:47 AM	-0.2	-6			09:40 AM	0.2	6			10:27 AM	-0.1	-3			10:39 AM	0.5	15
	02:20 PM	3.0	91			03:32 PM	2.6	79			04:02 PM	2.7	82			04:27 PM	2.3	70
	09:20 PM	-0.3	-9			09:54 PM	0.1	3			10:44 PM	-0.1	-3			10:15 PM	0.5	15
<b>14</b>					<b>29</b>					<b>14</b>					<b>29</b>			
	03:09 AM	2.8	85			04:01 AM	2.6	79			04:39 AM	3.0	91			04:30 AM	2.5	76
	09:38 AM	0.0	0			10:30 AM	0.4	12			11:37 AM	0.1	3			11:42 AM	0.6	18
	03:14 PM	2.8	85			04:18 PM	2.4	73			05:04 PM	2.6	79			05:15 PM	2.2	67
	10:08 PM	-0.2	-6			10:36 PM	0.3	9			11:53 PM	0.1	3			11:17 PM	0.6	18
<b>15</b>					<b>30</b>					<b>15</b>					<b>30</b>			
	04:03 AM	2.9	88			04:44 AM	2.5	76			05:40 AM	3.0	91			12:36 AM	0.2	6
	10:41 AM	0.1	3			11:29 AM	0.5	15			12:47 PM	0.1	3			06:26 AM	3.0	91
	04:12 PM	2.7	82			05:05 PM	2.3	70			06:10 PM	2.5	76			01:28 PM	0.1	3
	11:08 PM	-0.1	-3			11:28 PM	0.4	12								07:03 PM	2.6	79
					<b>31</b>										<b>31</b>			
						05:28 AM	2.5	76								12:42 AM	0.8	24
						12:32 PM	0.6	18								06:17 AM	2.6	79
						05:55 PM	2.1	64								02:03 PM	0.6	18
																07:24 PM	2.3	70

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: NEW YORK (The Battery) ( 851



Newburgh, New York, 2012

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

Times and Heights of High and Low Waters

April				May				June			
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> Su	02:04 AM 0.7 21 07:18 AM 2.6 79 02:57 PM 0.5 15 08:23 PM 2.5 76	<b>16</b> M	03:29 AM 0.3 9 09:15 AM 2.8 85 03:53 PM 0.1 3 09:50 PM 2.9 88	<b>1</b> Tu	02:36 AM 0.6 18 07:42 AM 2.8 85 03:07 PM 0.3 9 08:40 PM 3.0 91	<b>16</b> W	03:55 AM 0.4 12 09:35 AM 2.7 82 04:03 PM 0.3 9 10:06 PM 3.1 94	<b>1</b> F	04:09 AM 0.1 3 09:27 AM 2.9 88 04:18 PM -0.1 -3 10:05 PM 3.6 110	<b>16</b> Sa	05:00 AM 0.4 12 10:42 AM 2.6 79 04:54 PM 0.4 12 10:58 PM 3.1 94
<b>2</b> M	03:06 AM 0.5 15 08:26 AM 2.7 82 03:47 PM 0.3 9 09:22 PM 2.7 82	<b>17</b> Tu	04:21 AM 0.3 9 10:10 AM 2.9 88 04:39 PM 0.1 3 10:39 PM 3.1 94	<b>2</b> W	03:34 AM 0.3 9 08:50 AM 2.9 88 03:57 PM 0.1 3 09:38 PM 3.2 98	<b>17</b> Th	04:43 AM 0.3 9 10:26 AM 2.7 82 04:46 PM 0.3 9 10:50 PM 3.2 98	<b>2</b> Sa	05:05 AM -0.1 -3 10:32 AM 3.0 91 05:12 PM -0.2 -6 11:01 PM 3.8 116	<b>17</b> Su	05:45 AM 0.3 9 11:28 AM 2.6 79 05:38 PM 0.4 12 11:38 PM 3.2 98
<b>3</b> Tu	04:01 AM 0.3 9 09:31 AM 2.9 88 04:34 PM 0.1 3 10:15 PM 3.0 91	<b>18</b> W	05:09 AM 0.2 6 10:58 AM 2.9 88 05:22 PM 0.1 3 11:21 PM 3.2 98	<b>3</b> Th	04:30 AM 0.1 3 09:55 AM 3.0 91 04:47 PM -0.1 -3 10:31 PM 3.5 107	<b>18</b> F	05:29 AM 0.2 6 11:12 AM 2.7 82 05:28 PM 0.3 9 11:29 PM 3.2 98	<b>3</b> Su	06:00 AM -0.3 -9 11:30 AM 3.1 94 06:07 PM -0.2 -6 11:54 PM 3.9 119	<b>18</b> M	06:29 AM 0.2 6 12:11 PM 2.7 82 06:21 PM 0.4 12
<b>4</b> W	04:53 AM 0.0 0 10:28 AM 3.0 91 05:21 PM -0.1 -3 11:02 PM 3.3 101	<b>19</b> Th	05:55 AM 0.1 3 11:41 AM 2.9 88 06:03 PM 0.1 3 11:59 PM 3.2 98	<b>4</b> F	05:24 AM -0.2 -6 10:53 AM 3.1 94 05:37 PM -0.2 -6 11:22 PM 3.7 113	<b>19</b> Sa	06:13 AM 0.2 6 11:55 AM 2.8 85 06:10 PM 0.3 9	<b>4</b> M	06:54 AM -0.5 -15 12:26 PM 3.1 94 07:01 PM -0.3 -9	<b>19</b> Tu	12:14 AM 3.2 98 07:12 AM 0.1 3 12:51 PM 2.7 82 07:04 PM 0.4 12
<b>5</b> Th	05:46 AM -0.2 -6 11:19 AM 3.2 98 06:08 PM -0.3 -9 11:47 PM 3.5 107	<b>20</b> F	06:39 AM 0.0 0 12:21 PM 2.9 88 06:43 PM 0.1 3	<b>5</b> Sa	06:18 AM -0.4 -12 11:47 AM 3.2 98 06:29 PM -0.3 -9	<b>20</b> Su	12:06 AM 3.3 101 06:56 AM 0.1 3 12:36 PM 2.8 85 06:50 PM 0.3 9	<b>5</b> Tu	12:46 AM 3.9 119 07:46 AM -0.5 -15 01:22 PM 3.1 94 07:54 PM -0.2 -6	<b>20</b> W	12:47 AM 3.2 98 07:53 AM 0.1 3 01:31 PM 2.7 82 07:44 PM 0.3 9
<b>6</b> F	06:37 AM -0.4 -12 12:07 PM 3.3 101 06:55 PM -0.4 -12	<b>21</b> Sa	12:35 AM 3.3 101 07:21 AM 0.0 0 01:00 PM 2.9 88 07:22 PM 0.2 6	<b>6</b> Su	12:11 AM 3.9 119 07:11 AM -0.5 -15 12:40 PM 3.2 98 07:20 PM -0.4 -12	<b>21</b> M	12:40 AM 3.3 101 07:37 AM 0.1 3 01:16 PM 2.7 82 07:30 PM 0.3 9	<b>6</b> W	01:40 AM 3.8 116 08:37 AM -0.5 -15 02:20 PM 3.1 94 08:46 PM -0.1 -3	<b>21</b> Th	01:19 AM 3.2 98 08:32 AM 0.1 3 02:10 PM 2.7 82 08:23 PM 0.3 9
<b>7</b> Sa	12:32 AM 3.7 113 07:28 AM -0.6 -18 12:56 PM 3.3 101 07:42 PM -0.5 -15	<b>22</b> Su	01:08 AM 3.2 98 08:01 AM 0.0 0 01:39 PM 2.8 85 07:58 PM 0.2 6	<b>7</b> M	01:01 AM 3.9 119 08:03 AM -0.6 -18 01:34 PM 3.2 98 08:11 PM -0.3 -9	<b>22</b> Tu	01:11 AM 3.2 98 08:17 AM 0.1 3 01:56 PM 2.7 82 08:07 PM 0.4 12	<b>7</b> Th	02:36 AM 3.7 113 09:27 AM -0.4 -12 03:19 PM 3.1 94 09:38 PM 0.0 0	<b>22</b> F	01:51 AM 3.2 98 09:09 AM 0.1 3 02:51 PM 2.7 82 09:02 PM 0.4 12
<b>8</b> Su	01:20 AM 3.8 116 08:18 AM -0.6 -18 01:48 PM 3.2 98 08:30 PM -0.4 -12	<b>23</b> M	01:40 AM 3.2 98 08:39 AM 0.1 3 02:20 PM 2.7 82 08:32 PM 0.3 9	<b>8</b> Tu	01:54 AM 3.8 116 08:54 AM -0.5 -15 02:33 PM 3.1 94 09:03 PM -0.2 -6	<b>23</b> W	01:42 AM 3.2 98 08:55 AM 0.1 3 02:37 PM 2.6 79 08:43 PM 0.4 12	<b>8</b> F	03:33 AM 3.5 107 10:17 AM -0.3 -9 04:17 PM 3.1 94 10:32 PM 0.2 6	<b>23</b> Sa	02:28 AM 3.1 94 09:45 AM 0.1 3 03:33 PM 2.7 82 09:41 PM 0.4 12
<b>9</b> M	02:11 AM 3.7 113 09:08 AM -0.5 -15 02:44 PM 3.1 94 09:19 PM -0.3 -9	<b>24</b> Tu	02:10 AM 3.1 94 09:17 AM 0.2 6 03:02 PM 2.6 79 09:04 PM 0.4 12	<b>9</b> W	02:52 AM 3.7 113 09:45 AM -0.4 -12 03:35 PM 3.1 94 09:56 PM 0.0 0	<b>24</b> Th	02:13 AM 3.1 94 09:32 AM 0.2 6 03:20 PM 2.6 79 09:17 PM 0.5 15	<b>9</b> Sa	04:29 AM 3.3 101 11:08 AM -0.1 -3 05:12 PM 3.0 91 11:30 PM 0.4 12	<b>24</b> Su	03:11 AM 3.1 94 10:22 AM 0.1 3 04:16 PM 2.8 85 10:26 PM 0.5 15
<b>10</b> Tu	03:07 AM 3.6 110 10:01 AM -0.4 -12 03:46 PM 3.0 91 10:11 PM -0.1 -3	<b>25</b> W	02:41 AM 3.0 91 09:54 AM 0.3 9 03:45 PM 2.5 76 09:34 PM 0.5 15	<b>10</b> Th	03:52 AM 3.5 107 10:39 AM -0.2 -6 04:36 PM 3.0 91 10:53 PM 0.2 6	<b>25</b> F	02:48 AM 3.0 91 10:09 AM 0.3 9 04:03 PM 2.6 79 09:53 PM 0.6 18	<b>10</b> Su	05:22 AM 3.1 94 12:02 PM 0.1 3 06:04 PM 3.0 91	<b>25</b> M	04:00 AM 3.0 91 11:04 AM 0.2 6 05:02 PM 2.9 88 11:23 PM 0.5 15
<b>11</b> W	04:08 AM 3.4 104 10:57 AM -0.2 -6 04:48 PM 2.9 88 11:10 PM 0.2 6	<b>26</b> Th	03:15 AM 2.9 88 10:32 AM 0.4 12 04:29 PM 2.5 76 10:07 PM 0.6 18	<b>11</b> F	04:52 AM 3.3 101 11:36 AM 0.0 0 05:35 PM 2.9 88 11:56 PM 0.4 12	<b>26</b> Sa	03:31 AM 3.0 91 10:49 AM 0.3 9 04:45 PM 2.6 79 10:36 PM 0.6 18	<b>11</b> M	12:33 AM 0.6 18 06:14 AM 2.9 88 12:57 PM 0.2 6 06:54 PM 3.0 91	<b>26</b> Tu	04:53 AM 2.9 88 11:55 AM 0.2 6 05:50 PM 3.0 91
<b>12</b> Th	05:09 AM 3.3 101 11:59 AM 0.0 0 05:50 PM 2.8 85	<b>27</b> F	03:57 AM 2.8 85 11:16 AM 0.5 15 05:12 PM 2.4 73 10:50 PM 0.7 21	<b>12</b> Sa	05:49 AM 3.1 94 12:36 PM 0.1 3 06:31 PM 2.9 88	<b>27</b> Su	04:21 AM 2.9 88 11:35 AM 0.4 12 05:29 PM 2.7 82 11:38 PM 0.7 21	<b>12</b> Tu	01:35 AM 0.6 18 07:05 AM 2.7 82 01:50 PM 0.3 9 07:45 PM 2.9 88	<b>27</b> W	12:35 AM 0.5 15 05:49 AM 2.9 88 12:57 PM 0.2 6 06:41 PM 3.2 98
<b>13</b> F	12:18 AM 0.3 9 06:10 AM 3.1 94 01:05 PM 0.1 3 06:51 PM 2.8 85	<b>28</b> Sa	04:46 AM 2.8 85 12:14 PM 0.6 18 05:58 PM 2.5 76	<b>13</b> Su	01:03 AM 0.5 15 06:45 AM 3.0 91 01:36 PM 0.2 6 07:27 PM 2.9 88	<b>28</b> M	05:14 AM 2.9 88 12:32 PM 0.4 12 06:16 PM 2.8 85	<b>13</b> W	02:33 AM 0.6 18 07:59 AM 2.6 79 02:40 PM 0.4 12 08:36 PM 3.0 91	<b>28</b> Th	01:47 AM 0.5 15 06:49 AM 2.8 85 02:00 PM 0.2 6 07:39 PM 3.3 101
<b>14</b> Sa	01:28 AM 0.4 12 07:11 AM 3.0 91 02:07 PM 0.2 6 07:53 PM 2.8 85	<b>29</b> Su	12:00 AM 0.8 24 05:40 AM 2.8 85 01:17 PM 0.5 15 06:47 PM 2.6 79	<b>14</b> M	02:07 AM 0.5 15 07:41 AM 2.8 85 02:30 PM 0.2 6 08:23 PM 2.9 88	<b>29</b> Tu	12:58 AM 0.7 21 06:10 AM 2.9 88 01:33 PM 0.3 9 07:08 PM 3.0 91	<b>14</b> Th	03:25 AM 0.6 18 08:56 AM 2.5 76 03:26 PM 0.4 12 09:27 PM 3.0 91	<b>29</b> F	02:52 AM 0.3 9 07:56 AM 2.7 82 03:00 PM 0.1 3 08:42 PM 3.4 104
<b>15</b> Su	02:32 AM 0.4 12 08:14 AM 2.9 88 03:03 PM 0.2 6 08:54 PM 2.8 85	<b>30</b> M	01:28 AM 0.7 21 06:38 AM 2.8 85 02:15 PM 0.4 12 07:41 PM 2.7 82	<b>15</b> Tu	03:04 AM 0.5 15 08:39 AM 2.7 82 03:18 PM 0.3 9 09:17 PM 3.0 91	<b>30</b> W	02:09 AM 0.5 15 07:10 AM 2.8 85 02:30 PM 0.2 6 08:05 PM 3.2 98	<b>15</b> F	04:14 AM 0.5 15 09:51 AM 2.5 76 04:10 PM 0.4 12 10:15 PM 3.1 94	<b>30</b> Sa	03:51 AM 0.1 3 09:08 AM 2.8 85 03:57 PM 0.0 0 09:46 PM 3.5 107
						<b>31</b> Th	03:11 AM 0.3 9 08:17 AM 2.8 85 03:25 PM 0.1 3 09:06 PM 3.4 104				



Newburgh, New York, 2012

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						
h	m	ft	cm	h	m	ft	cm	h	m	ft	cm	h	m	ft	cm	h	m	ft	cm				
<b>1</b>	04:48 AM	-0.1	-3	<b>16</b>	05:16 AM	0.4	12	<b>1</b>	06:18 AM	-0.3	-9	<b>16</b>	06:10 AM	0.1	3	<b>1</b>	12:45 AM	3.5	107	<b>16</b>	12:03 AM	3.4	104
Su	10:17 AM	2.9	88	M	11:00 AM	2.6	79	W	12:01 PM	3.1	94	Th	11:52 AM	2.9	88	Sa	07:26 AM	-0.2	-6	Su	06:59 AM	-0.2	-6
	04:54 PM	-0.1	-3		05:07 PM	0.5	15		06:30 PM	-0.1	-3		06:12 PM	0.2	6		01:13 PM	3.4	104		12:33 PM	3.5	107
	10:46 PM	3.7	113		11:09 PM	3.1	94						11:54 PM	3.3	101		07:48 PM	0.0	0		07:21 PM	-0.1	-7
<b>2</b>	05:43 AM	-0.2	-6	<b>17</b>	06:00 AM	0.3	9	<b>2</b>	12:19 AM	3.7	113	<b>17</b>	06:52 AM	0.0	0	<b>2</b>	01:28 AM	3.4	104	<b>17</b>	12:44 AM	3.4	104
M	11:18 AM	3.0	91	Tu	11:43 AM	2.7	82	Th	07:07 AM	-0.3	-9	F	12:29 PM	3.0	91	Su	08:06 AM	-0.1	-3	M	07:41 AM	-0.2	-6
	05:50 PM	-0.1	-3		05:53 PM	0.4	12		12:51 PM	3.2	98		06:57 PM	0.1	3		01:55 PM	3.3	101		01:14 PM	3.6	110
	11:41 PM	3.8	116		11:47 PM	3.2	98		07:21 PM	-0.1	-3						08:32 PM	0.1	3		08:08 PM	-0.2	-6
<b>3</b>	06:37 AM	-0.4	-12	<b>18</b>	06:43 AM	0.1	3	<b>3</b>	01:07 AM	3.6	110	<b>18</b>	12:30 AM	3.4	104	<b>3</b>	02:11 AM	3.2	98	<b>18</b>	01:29 AM	3.4	104
Tu	12:14 PM	3.1	94	W	12:24 PM	2.7	82	F	07:53 AM	-0.4	-12	Sa	07:32 AM	-0.1	-3	M	08:45 AM	0.0	0	Tu	08:24 AM	-0.2	-6
	06:45 PM	-0.2	-6		06:38 PM	0.3	9		01:39 PM	3.2	98		01:05 PM	3.2	98		02:37 PM	3.2	98		02:00 PM	3.6	110
									08:09 PM	-0.1	-3		07:42 PM	0.0	0		09:14 PM	0.2	6		08:56 PM	-0.2	-6
<b>4</b>	12:33 AM	3.8	116	<b>19</b>	12:22 AM	3.3	101	<b>4</b>	01:53 AM	3.5	107	<b>19</b>	01:07 AM	3.4	104	<b>4</b>	02:56 AM	3.0	91	<b>19</b>	02:19 AM	3.2	98
W	07:28 AM	-0.4	-12	Th	07:25 AM	0.0	0	Sa	08:37 AM	-0.3	-9	Su	08:12 AM	-0.2	-6	Tu	09:22 AM	0.2	6	W	09:08 AM	-0.2	-6
	01:08 PM	3.1	94		01:01 PM	2.8	85		02:27 PM	3.2	98		01:44 PM	3.3	101		03:20 PM	3.1	94		02:51 PM	3.6	110
	07:38 PM	-0.2	-6		07:21 PM	0.2	6		08:56 PM	0.1	3		08:26 PM	0.0	0		09:56 PM	0.4	12		09:47 PM	-0.1	-3
<b>5</b>	01:25 AM	3.7	113	<b>20</b>	12:55 AM	3.3	101	<b>5</b>	02:41 AM	3.3	101	<b>20</b>	01:48 AM	3.3	101	<b>5</b>	03:43 AM	2.8	85	<b>20</b>	03:17 AM	3.1	94
Th	08:17 AM	-0.5	-15	F	08:04 AM	0.0	0	Su	09:19 AM	-0.2	-6	M	08:50 AM	-0.2	-6	W	09:58 AM	0.4	12	Th	09:55 AM	0.0	0
	02:02 PM	3.2	98		01:39 PM	2.9	88		03:16 PM	3.2	98		02:27 PM	3.3	101		04:03 PM	3.0	91		03:50 PM	3.5	107
	08:29 PM	-0.1	-3		08:03 PM	0.2	6		09:41 PM	0.2	6		09:12 PM	0.0	0		10:41 PM	0.6	18		10:43 PM	0.1	3
<b>6</b>	02:16 AM	3.6	110	<b>21</b>	01:30 AM	3.3	101	<b>6</b>	03:29 AM	3.1	94	<b>21</b>	02:34 AM	3.2	98	<b>6</b>	04:32 AM	2.7	82	<b>21</b>	04:21 AM	3.0	91
F	09:04 AM	-0.4	-12	Sa	08:42 AM	-0.1	-3	M	09:59 AM	0.0	0	Tu	09:30 AM	-0.1	-3	Th	10:34 AM	0.6	18	F	10:51 AM	0.2	6
	02:56 PM	3.1	94		02:17 PM	2.9	88		04:03 PM	3.1	94		03:16 PM	3.4	104		04:47 PM	2.9	88		04:52 PM	3.4	104
	09:18 PM	0.0	0		08:45 PM	0.2	6		10:28 PM	0.4	12		10:00 PM	0.1	3		11:33 PM	0.8	24		11:47 PM	0.2	6
<b>7</b>	03:09 AM	3.4	104	<b>22</b>	02:08 AM	3.3	101	<b>7</b>	04:17 AM	2.9	88	<b>22</b>	03:28 AM	3.1	94	<b>7</b>	05:21 AM	2.5	76	<b>22</b>	05:26 AM	2.8	85
Sa	09:50 AM	-0.3	-9	Su	09:19 AM	-0.1	-3	Tu	10:40 AM	0.2	6	W	10:14 AM	0.0	0	F	11:15 AM	0.8	24	Sa	11:58 AM	0.4	12
	03:50 PM	3.1	94		02:59 PM	3.0	91		04:49 PM	3.0	91		04:10 PM	3.4	104		05:32 PM	2.8	85		05:55 PM	3.3	101
	10:08 PM	0.2	6		09:27 PM	0.2	6		11:19 PM	0.6	18		10:56 PM	0.2	6								
<b>8</b>	04:01 AM	3.2	98	<b>23</b>	02:52 AM	3.2	98	<b>8</b>	05:06 AM	2.7	82	<b>23</b>	04:27 AM	3.0	91	<b>8</b>	12:33 AM	0.9	27	<b>23</b>	12:56 AM	0.3	9
Su	10:35 AM	-0.1	-3	M	09:56 AM	0.0	0	W	11:23 AM	0.5	15	Th	11:06 AM	0.2	6	Sa	06:11 AM	2.4	73	Su	06:31 AM	2.8	85
	04:41 PM	3.1	94		03:46 PM	3.1	94		05:34 PM	2.9	88		05:07 PM	3.4	104		12:14 PM	0.9	27		01:11 PM	0.4	12
	11:00 PM	0.4	12		10:14 PM	0.3	9									06:18 PM	2.8	85		06:59 PM	3.2	98	
<b>9</b>	04:51 AM	3.0	91	<b>24</b>	03:43 AM	3.1	94	<b>9</b>	12:16 AM	0.8	24	<b>24</b>	12:02 AM	0.4	12	<b>9</b>	01:36 AM	0.9	27	<b>24</b>	02:03 AM	0.3	9
M	11:22 AM	0.1	3	Tu	10:37 AM	0.0	0	Th	05:54 AM	2.6	79	F	05:29 AM	2.8	85	Su	07:04 AM	2.4	73	M	07:38 AM	2.8	85
	05:30 PM	3.0	91		04:35 PM	3.2	98		12:13 PM	0.6	18		12:12 PM	0.3	9		01:25 PM	0.9	27		02:19 PM	0.4	12
	11:57 PM	0.6	18		11:09 PM	0.4	12		06:19 PM	2.9	88		06:06 PM	3.3	101		07:10 PM	2.8	85		08:05 PM	3.2	98
<b>10</b>	05:40 AM	2.8	85	<b>25</b>	04:38 AM	3.0	91	<b>10</b>	01:17 AM	0.8	24	<b>25</b>	01:13 AM	0.4	12	<b>10</b>	02:32 AM	0.8	24	<b>25</b>	03:02 AM	0.2	6
Tu	12:12 PM	0.3	9	W	11:26 AM	0.1	3	F	06:44 AM	2.5	76	Sa	06:34 AM	2.7	82	M	08:00 AM	2.4	73	Tu	08:45 AM	2.9	88
	06:16 PM	3.0	91		05:26 PM	3.2	98		11:23 AM	0.8	24		01:24 PM	0.4	12		02:26 PM	0.9	27		03:20 PM	0.3	9
									07:06 PM	2.8	85		07:09 PM	3.3	101		08:07 PM	2.8	85		09:09 PM	3.2	98
<b>11</b>	12:58 AM	0.7	21	<b>26</b>	12:17 AM	0.4	12	<b>11</b>	02:16 AM	0.8	24	<b>26</b>	02:20 AM	0.3	9	<b>11</b>	03:22 AM	0.7	21	<b>26</b>	03:55 AM	0.1	3
W	06:29 AM	2.6	79	Th	05:36 AM	2.8	85	Sa	07:39 AM	2.4	73	Su	07:43 AM	2.7	82	Tu	08:58 AM	2.5	76	W	09:46 AM	3.0	91
	01:05 PM	0.5	15		12:30 PM	0.2	6		02:08 PM	0.8	24		02:32 PM	0.3	9		03:20 PM	0.7	21		04:14 PM	0.2	6
	07:03 PM	2.9	88		06:21 PM	3.3	101		07:59 PM	2.8	85		08:17 PM	3.3	101		09:05 PM	2.9	88		10:07 PM	3.3	101
<b>12</b>	01:57 AM	0.7	21	<b>27</b>	01:29 AM	0.4	12	<b>12</b>	03:09 AM	0.7	21	<b>27</b>	03:20 AM	0.2	6	<b>12</b>	04:08 AM	0.5	15	<b>27</b>	04:44 AM	0.0	0
Th	07:20 AM	2.5	76	F	06:37 AM	2.7	82	Su	08:38 AM	2.4	73	M	08:54 AM	2.8	85	W	09:51 AM	2.7	82	Th	10:39 AM	3.2	98
	01:58 PM	0.6	18		01:39 PM	0.3	9		03:01 PM	0.7	21		03:32 PM	0.2	6		04:10 PM	0.5	15		05:06 PM	0.1	3
	07:52 PM	2.9	88		07:21 PM	3.3	101		08:56 PM	2.9	88		09:24 PM	3.3	101		09:57 PM	3.0	91		10:57 PM	3.3	101
<b>13</b>	02:52 AM	0.7	21	<b>28</b>	02:35 AM	0.3	9	<b>13</b>	03:57 AM	0.6	18	<b>28</b>	04:15 AM	0.1	3	<b>13</b>	04:52 AM	0.3	9	<b>28</b>	05:30 AM	-0.1	-3
F	08:16 AM	2.4	73	Sa	07:46 AM	2.7	82	M	09:37 AM	2.5	76	Tu	10:00 AM	2.9	88	Th	10:36 AM	2.9	88	F	11:25 AM	3.3	101
	02:48 PM	0.6	18		02:43 PM	0.2	6		03:51 PM	0.6	18		04:28 PM	0.1	3		04:58 PM	0.3	9		05:54 PM	0.1	3
	08:45 PM	2.9	88		08:27 PM	3.4	104		09:50 PM	3.0	91		10:24 PM	3.4	104		10:42 PM	3.2	98		11:41 PM	3.3	101
<b>14</b>	03:42 AM	0.6	18	<b>29</b>	03:36 AM	0.2	6	<b>14</b>	04:43 AM	0.5	15	<b>29</b>	05:07 AM	-0.1	-3	<b>14</b>	05:34 AM	0.1	3	<b>29</b>	06:14 AM	-0.1	-3
Sa	09:15 AM	2.4	73	Su	08:59 AM	2.7	82	Tu	10:28 AM														



Newburgh, New York, 2012

Times and Heights of High and Low Waters

October					November					December													
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				
<b>1</b>	01:02 AM	3.2	98	<b>16</b>	12:24 AM	3.3	101	<b>1</b>	01:59 AM	2.7	82	<b>16</b>	12:55 AM	3.1	94	<b>1</b>	01:18 AM	2.5	76	<b>16</b>	01:43 AM	3.0	91
M	07:35 AM	0.0	0	Tu	07:13 AM	-0.3	-9	Th	08:18 AM	0.3	9	F	07:33 AM	-0.4	-12	Sa	07:29 AM	0.2	6	Su	08:11 AM	-0.4	-12
	01:22 PM	3.4	104		12:50 PM	3.8	116		02:00 PM	3.1	94		01:18 PM	3.7	113		01:06 PM	3.0	91		02:03 PM	3.4	104
	08:07 PM	0.1	3		07:51 PM	-0.4	-12		09:03 PM	0.2	6		08:17 PM	-0.5	-15		08:17 PM	0.1	3		08:50 PM	-0.6	-18
<b>2</b>	01:43 AM	3.1	94	<b>17</b>	01:12 AM	3.3	101	<b>2</b>	02:43 AM	2.6	79	<b>17</b>	01:57 AM	3.0	91	<b>2</b>	02:00 AM	2.4	73	<b>17</b>	02:43 AM	2.9	88
Tu	08:12 AM	0.1	3	W	08:01 AM	-0.3	-9	F	08:52 AM	0.4	12	Sa	08:26 AM	-0.2	-6	Su	08:03 AM	0.3	9	M	09:04 AM	-0.2	-6
	01:59 PM	3.3	101		01:38 PM	3.7	116		02:34 PM	3.0	91		02:19 PM	3.5	107		01:39 PM	2.9	88		03:01 PM	3.2	98
	08:48 PM	0.2	6		08:41 PM	-0.4	-12		09:42 PM	0.3	9		09:11 PM	-0.3	-9		08:54 PM	0.2	6		09:41 PM	-0.4	-12
<b>3</b>	02:25 AM	2.9	88	<b>18</b>	02:06 AM	3.2	98	<b>3</b>	03:29 AM	2.5	76	<b>18</b>	03:01 AM	2.9	88	<b>3</b>	02:43 AM	2.4	73	<b>18</b>	03:41 AM	2.9	88
W	08:47 AM	0.3	9	Th	08:49 AM	-0.2	-6	Sa	09:24 AM	0.5	15	Su	09:22 AM	0.0	0	M	08:37 AM	0.4	12	Tu	10:01 AM	0.0	0
	02:36 PM	3.2	98		02:32 PM	3.7	113		02:33 PM	2.9	88		03:22 PM	3.3	101		02:17 PM	2.8	85		03:57 PM	3.0	91
	09:28 PM	0.3	9		09:33 PM	-0.3	-9		10:22 PM	0.5	15		10:07 PM	-0.2	-6		09:31 PM	0.3	9		10:35 PM	-0.2	-6
<b>4</b>	03:11 AM	2.7	82	<b>19</b>	03:07 AM	3.0	91	<b>4</b>	03:17 AM	2.4	73	<b>19</b>	04:04 AM	2.9	88	<b>4</b>	03:26 AM	2.4	73	<b>19</b>	04:36 AM	2.8	85
Th	09:21 AM	0.4	12	F	09:40 AM	-0.1	-3	Su	08:56 AM	0.6	18	M	10:24 AM	0.2	6	Tu	09:14 AM	0.5	15	W	11:03 AM	0.2	6
	03:15 PM	3.0	91		03:34 PM	3.6	110		02:53 PM	2.8	85		04:22 PM	3.2	98		03:02 PM	2.7	82		11:03 AM	2.8	85
	10:09 PM	0.5	15		10:28 PM	-0.1	-3		10:06 PM	0.6	18		11:08 PM	0.0	0		10:12 PM	0.3	9		11:32 PM	0.0	0
<b>5</b>	03:59 AM	2.6	79	<b>20</b>	04:14 AM	2.9	88	<b>5</b>	04:04 AM	2.4	73	<b>20</b>	05:03 AM	2.8	85	<b>5</b>	04:09 AM	2.4	73	<b>20</b>	05:30 AM	2.8	85
F	09:52 AM	0.6	18	Sa	10:37 AM	0.1	3	M	09:35 AM	0.7	21	Tu	11:32 AM	0.3	9	W	10:04 AM	0.5	15	Th	12:08 PM	0.3	9
	03:57 PM	2.9	88		04:38 PM	3.4	104		04:30 PM	2.7	82		05:20 PM	3.0	91		03:51 PM	2.7	82		05:44 PM	2.6	79
	10:54 PM	0.7	21		11:29 PM	0.1	3		11:01 PM	0.6	18						11:05 PM	0.3	9				
<b>6</b>	04:49 AM	2.5	76	<b>21</b>	05:19 AM	2.9	88	<b>6</b>	04:50 AM	2.4	73	<b>21</b>	12:09 AM	0.1	3	<b>6</b>	04:54 AM	2.5	76	<b>21</b>	12:29 AM	0.1	3
Sa	10:25 AM	0.8	24	Su	11:43 AM	0.3	9	Tu	10:37 AM	0.8	24	W	06:01 AM	2.8	85	Th	11:20 AM	0.6	18	F	06:23 AM	2.7	82
	04:41 PM	2.8	85		05:41 PM	3.3	101		04:30 PM	2.7	82		12:39 PM	0.4	12		04:44 PM	2.6	79		01:10 PM	0.4	12
	11:48 PM	0.8	24										06:17 PM	2.8	85						06:39 PM	2.5	76
<b>7</b>	05:38 AM	2.4	73	<b>22</b>	12:35 AM	0.2	6	<b>7</b>	12:01 AM	0.6	18	<b>22</b>	01:07 AM	0.1	3	<b>7</b>	12:06 AM	0.3	9	<b>22</b>	01:22 AM	0.1	3
Su	11:11 AM	0.9	27	M	06:22 AM	2.8	85	W	05:37 AM	2.5	76	Th	06:59 AM	2.8	85	F	05:42 AM	2.6	79	Sa	07:17 AM	2.7	82
	05:28 PM	2.7	82		12:55 PM	0.4	12		12:05 PM	0.8	24		01:40 PM	0.3	9		12:39 PM	0.5	15		02:06 PM	0.3	9
					06:43 PM	3.1	94		05:24 PM	2.7	82		07:15 PM	2.7	82		05:42 PM	2.6	79		07:37 PM	2.4	73
<b>8</b>	12:51 AM	0.8	24	<b>23</b>	01:40 AM	0.2	6	<b>8</b>	12:57 AM	0.5	15	<b>23</b>	01:59 AM	0.1	3	<b>8</b>	01:04 AM	0.2	6	<b>23</b>	02:12 AM	0.2	6
M	06:28 AM	2.4	73	Tu	07:24 AM	2.8	85	Th	06:27 AM	2.6	79	F	07:55 AM	2.9	88	Sa	06:37 AM	2.8	85	Su	02:12 AM	2.7	82
	12:33 PM	1.0	30		02:02 PM	0.4	12		01:13 PM	0.6	18		02:34 PM	0.3	9		01:43 PM	0.3	9		02:57 PM	0.2	6
	06:19 PM	2.7	82		07:45 PM	3.1	94		06:21 PM	2.7	82		08:12 PM	2.7	82		06:45 PM	2.6	79		08:34 PM	2.3	70
<b>9</b>	01:51 AM	0.8	24	<b>24</b>	02:38 AM	0.1	3	<b>9</b>	01:48 AM	0.3	9	<b>24</b>	02:46 AM	0.1	3	<b>9</b>	01:59 AM	0.0	0	<b>24</b>	02:58 AM	0.2	6
Tu	07:20 AM	2.4	73	W	08:26 AM	2.9	88	F	07:20 AM	2.8	85	Sa	08:47 AM	3.0	91	Su	07:36 AM	3.0	91	M	09:03 AM	2.8	85
	01:48 PM	0.9	27		03:03 PM	0.3	9		02:11 PM	0.4	12		03:24 PM	0.2	6		02:42 PM	0.1	3		03:45 PM	0.1	3
	07:13 PM	2.7	82		08:46 PM	3.0	91		07:23 PM	2.8	85		09:05 PM	2.7	82		07:53 PM	2.6	79		09:27 PM	2.4	73
<b>10</b>	02:43 AM	0.6	18	<b>25</b>	03:30 AM	0.1	3	<b>10</b>	02:35 AM	0.1	3	<b>25</b>	03:30 AM	0.1	3	<b>10</b>	02:52 AM	-0.2	-6	<b>25</b>	03:42 AM	0.1	3
W	08:14 AM	2.5	76	Th	09:25 AM	3.0	91	Sa	08:14 AM	3.0	91	Su	09:34 AM	3.1	94	M	08:36 AM	3.3	101	Tu	09:48 AM	2.9	88
	02:48 PM	0.7	21		03:57 PM	0.3	9		03:05 PM	0.2	6		04:10 PM	0.1	3		03:37 PM	-0.2	-6		10:13 PM	0.1	3
	08:12 PM	2.8	85		09:43 PM	3.0	91		08:26 PM	2.9	88		09:53 PM	2.7	82		09:00 PM	2.7	82		10:13 PM	2.4	73
<b>11</b>	03:29 AM	0.4	12	<b>26</b>	04:17 AM	0.0	0	<b>11</b>	03:22 AM	-0.1	-3	<b>26</b>	04:12 AM	0.1	3	<b>11</b>	03:45 AM	-0.3	-9	<b>26</b>	04:26 AM	0.1	3
Th	09:07 AM	2.7	82	F	10:16 AM	3.1	94	Su	09:06 AM	3.3	101	M	10:15 AM	3.1	94	Tu	09:33 AM	3.5	107	W	10:29 AM	2.9	88
	03:40 PM	0.5	15		04:46 PM	0.2	6		03:57 PM	-0.1	-3		04:55 PM	0.0	0		04:32 PM	-0.4	-12		05:14 PM	0.0	0
	09:10 PM	2.9	88		10:33 PM	3.0	91		09:23 PM	3.0	91		10:36 PM	2.7	82		09:59 PM	2.9	88		10:56 PM	2.5	76
<b>12</b>	04:13 AM	0.2	6	<b>27</b>	05:01 AM	0.0	0	<b>12</b>	04:10 AM	-0.2	-6	<b>27</b>	04:54 AM	0.1	3	<b>12</b>	04:39 AM	-0.4	-12	<b>27</b>	05:09 AM	0.1	3
F	09:56 AM	3.0	91	Sa	11:01 AM	3.3	101	M	09:55 AM	3.6	110	Tu	10:53 AM	3.2	98	W	10:27 AM	3.6	110	Th	11:07 AM	3.0	91
	04:31 PM	0.3	9		05:34 PM	0.1	3		04:50 PM	-0.3	-9		11:17 PM	2.7	82		05:26 PM	-0.6	-18		05:56 PM	-0.1	-3
	10:03 PM	3.1	94		11:18 PM	3.0	91		10:16 PM	3.1	94						10:55 PM	3.0	91		11:36 PM	2.5	76
<b>13</b>	04:57 AM	0.0	0	<b>28</b>	05:43 AM	0.0	0	<b>13</b>	05:00 AM	-0.4	-12	<b>28</b>	05:35 AM	0.1	3	<b>13</b>	05:33 AM	-0.5	-15	<b>28</b>	05:51 AM	0.0	0
Sa	10:41 AM	3.3	101	Su	11:41 AM	3.3	101	Tu	10:43 AM	3.8	116	W	11:28 AM	3.2	98	Th	11:19 AM	3.7	113	F	11:42 AM	3.0	91
	05:20 PM	0.0	0		06:19 PM	0.1	3		05:43 PM	-0.5	-15		06:21 PM	0.0	0		06:19 PM	-0.7	-21		06:37 PM	-0.1	-3
	10:52 PM	3.2	98		11:59 PM	3.0	91		11:07 PM	3.2	98		11:57 PM	2.7	82		11:49 PM	3.0	91				
<b>14</b>	05:42 AM	-0.1	-3	<b>29</b>	06:24 AM	0.0	0	<b>14</b>	05:51 AM	-0.4	-12	<b>29</b>	06:15 AM	0.1	3	<b>14</b>	06:26 AM	-0.6	-18	<b>29</b>	12:15 AM	2.5	76
Su	11:23 AM	3.5	107	M	12:18 PM	3.3	101	W	11:31 AM	3.8	116	Th											