



NEW YORK (The Battery), New York, 2017

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	
<b>1</b> Su	03:53 AM 0.0 0 09:45 AM 4.8 146 04:34 PM -0.3 -9 10:21 PM 4.0 122	<b>16</b> M	04:54 AM -0.3 -9 11:07 AM 4.8 146 05:31 PM -0.4 -12 11:46 PM 4.4 134		<b>1</b> W	05:06 AM -0.1 -3 11:02 AM 4.7 143 05:32 PM -0.4 -12 11:33 PM 4.5 137	<b>16</b> Th	05:59 AM 0.4 12 12:10 PM 4.1 125 06:20 PM 0.4 12		<b>1</b> W	04:08 AM -0.5 -15 09:57 AM 5.1 155 04:26 PM -0.7 -21 10:19 PM 5.1 155	<b>16</b> Th	05:44 AM 0.1 3 11:51 AM 4.4 134 05:56 PM 0.3 9	
<b>2</b> M	04:31 AM 0.1 3 10:28 AM 4.7 143 05:13 PM -0.2 -6 11:07 PM 4.0 122	<b>17</b> Tu	05:44 AM 0.1 3 11:57 AM 4.5 137 06:19 PM -0.1 -3		<b>2</b> Th	06:00 AM 0.1 3 11:57 AM 4.5 137 06:23 PM -0.2 -6	<b>17</b> F	12:41 AM 4.3 131 06:53 AM 0.7 21 12:56 PM 3.8 116 07:11 PM 0.7 21		<b>2</b> Th	04:55 AM -0.4 -12 10:50 AM 4.9 149 05:10 PM -0.5 -15 11:12 PM 5.0 152	<b>17</b> F	12:13 AM 4.6 140 06:25 AM 0.4 12 12:36 PM 4.1 125 06:32 PM 0.6 18	
<b>3</b> Tu	05:14 AM 0.3 9 11:18 AM 4.6 140 05:57 PM -0.1 -3 11:58 PM 4.1 125	<b>18</b> W	12:36 AM 4.3 131 06:38 AM 0.4 12 12:46 PM 4.2 128 07:11 PM 0.2 6		<b>3</b> F	12:28 AM 4.6 140 07:10 AM 0.2 6 12:54 PM 4.3 131 07:27 PM -0.1 -3	<b>18</b> Sa	01:26 AM 4.1 125 07:54 AM 0.8 24 01:46 PM 3.6 110 08:09 PM 0.8 24		<b>3</b> F	05:50 AM -0.2 -6 11:47 AM 4.7 143 06:01 PM -0.2 -6	<b>18</b> Sa	12:55 AM 4.4 134 07:10 AM 0.7 21 01:22 PM 3.9 119 07:10 PM 0.9 27	
<b>4</b> W	06:11 AM 0.4 12 12:12 PM 4.5 137 06:52 PM 0.0 0	<b>19</b> Th	01:25 AM 4.2 128 07:39 AM 0.7 21 01:35 PM 3.9 119 08:05 PM 0.4 12		<b>4</b> Sa	01:25 AM 4.6 140 08:23 AM 0.2 6 01:57 PM 4.2 128 08:35 PM -0.1 -3	<b>19</b> Su	02:15 AM 4.0 122 08:55 AM 0.9 27 03:40 PM 3.5 107 09:07 PM 0.9 27		<b>4</b> Sa	12:09 AM 5.0 152 06:55 AM 0.1 3 12:46 PM 4.4 134 07:05 PM 0.1 3	<b>19</b> Su	01:37 AM 4.3 131 08:05 AM 0.9 27 02:08 PM 3.7 113 08:06 PM 1.2 37	
<b>5</b> Th	12:51 AM 4.3 131 07:28 AM 0.5 15 01:09 PM 4.4 134 07:56 PM -0.1 -3	<b>20</b> F	02:14 AM 4.1 125 08:40 AM 0.7 21 02:27 PM 3.7 113 08:59 PM 0.5 15		<b>5</b> Su	02:28 AM 4.7 143 09:31 AM 0.1 3 03:05 PM 4.1 125 09:40 PM -0.1 -3	<b>20</b> M	03:09 AM 4.0 122 09:51 AM 0.8 24 03:40 PM 3.4 104 10:00 PM 0.8 24		<b>5</b> Su	01:09 AM 4.9 149 08:06 AM 0.2 6 01:49 PM 4.3 131 08:16 PM 0.2 6	<b>20</b> M	02:22 AM 4.1 125 09:09 AM 1.0 30 02:59 PM 3.6 110 09:18 PM 1.2 37	
<b>6</b> F	01:47 AM 4.4 134 08:43 AM 0.4 12 02:10 PM 4.2 128 09:00 PM -0.2 -6	<b>21</b> Sa	03:06 AM 4.1 125 09:36 AM 0.7 21 03:23 PM 3.5 107 09:49 PM 0.5 15		<b>6</b> M	03:37 AM 4.8 146 10:32 AM -0.1 -3 04:17 PM 4.1 125 10:39 PM -0.3 -9	<b>21</b> Tu	04:08 AM 4.1 125 10:42 AM 0.6 18 04:41 PM 3.6 110 10:50 PM 0.6 18		<b>6</b> M	02:13 AM 4.8 146 09:14 AM 0.1 3 02:57 PM 4.2 128 09:24 PM 0.2 6	<b>21</b> Tu	03:13 AM 4.1 125 10:10 AM 1.0 30 03:55 PM 3.6 110 10:21 PM 1.2 37	
<b>7</b> Sa	02:49 AM 4.6 140 09:48 AM 0.1 3 03:18 PM 4.2 128 09:59 PM -0.3 -9	<b>22</b> Su	04:00 AM 4.1 125 10:28 AM 0.6 18 04:23 PM 3.5 107 10:37 PM 0.4 12		<b>7</b> Tu	04:47 AM 4.9 149 11:29 AM -0.4 -12 05:24 PM 4.3 131 11:36 PM -0.5 -15	<b>22</b> W	05:04 AM 4.3 131 11:30 AM 0.4 12 05:34 PM 3.8 116 11:38 PM 0.4 12		<b>7</b> Tu	03:24 AM 4.7 143 10:15 AM 0.0 0 04:07 PM 4.3 131 10:25 PM 0.0 0	<b>22</b> W	04:12 AM 4.1 125 11:04 AM 0.8 24 04:56 PM 3.7 113 11:16 PM 0.9 27	
<b>8</b> Su	03:55 AM 4.8 146 10:48 AM -0.2 -6 04:29 PM 4.3 131 10:55 PM -0.5 -15	<b>23</b> M	04:53 AM 4.2 128 11:16 AM 0.4 12 05:18 PM 3.6 110 11:23 PM 0.3 9		<b>8</b> W	05:50 AM 5.1 155 12:23 PM -0.6 -18 06:22 PM 4.6 140	<b>23</b> Th	05:53 AM 4.5 137 12:15 PM 0.1 3 06:19 PM 4.0 122		<b>8</b> W	04:35 AM 4.8 146 11:11 AM -0.2 -6 05:13 PM 4.5 137 11:22 PM -0.1 -3	<b>23</b> Th	05:14 AM 4.2 128 11:53 AM 0.6 18 05:53 PM 4.0 122	
<b>9</b> M	05:01 AM 5.1 155 11:45 AM -0.5 -15 05:34 PM 4.4 134 11:50 PM -0.7 -21	<b>24</b> Tu	05:42 AM 4.4 134 12:03 PM 0.2 6 06:07 PM 3.7 113		<b>9</b> Th	12:30 AM -0.6 -18 06:44 AM 5.3 162 01:15 PM -0.8 -24 07:14 PM 4.8 146	<b>24</b> F	12:24 AM 0.1 3 06:35 AM 4.8 146 01:00 PM -0.1 -3 06:58 PM 4.3 131		<b>9</b> Th	05:38 AM 5.0 152 12:04 PM -0.4 -12 06:09 PM 4.7 143	<b>24</b> F	12:07 AM 0.6 18 06:11 AM 4.5 137 12:39 PM 0.3 9 06:41 PM 4.3 131	
<b>10</b> Tu	06:00 AM 5.4 165 12:40 PM -0.8 -24 06:32 PM 4.6 140	<b>25</b> W	12:08 AM 0.2 6 06:26 AM 4.6 140 12:48 PM 0.0 0 06:50 PM 3.9 119		<b>10</b> F	01:23 AM -0.7 -21 07:33 AM 5.4 165 02:04 PM -0.9 -27 08:02 PM 4.9 149	<b>25</b> Sa	01:10 AM -0.1 -3 07:13 AM 5.0 152 01:43 PM -0.4 -12 07:35 PM 4.5 137		<b>10</b> F	12:16 AM -0.3 -9 06:31 AM 5.1 155 12:54 PM -0.5 -15 06:58 PM 5.0 152	<b>25</b> Sa	12:55 AM 0.3 9 06:59 AM 4.8 146 01:24 PM 0.0 0 07:24 PM 4.7 143	
<b>11</b> W	12:44 AM -0.8 -24 06:54 AM 5.6 171 01:33 PM -1.0 -30 07:26 PM 4.8 146	<b>26</b> Th	12:52 AM 0.0 0 07:04 AM 4.8 146 01:31 PM -0.2 -6 07:28 PM 4.1 125		<b>11</b> Sa	02:13 AM -0.8 -24 08:19 AM 5.4 165 02:50 PM -0.9 -27 08:49 PM 4.9 149	<b>26</b> Su	01:55 AM -0.3 -9 07:50 AM 5.2 158 02:24 PM -0.6 -18 08:11 PM 4.8 146		<b>11</b> Sa	01:07 AM -0.4 -12 07:17 AM 5.2 158 01:40 PM -0.6 -18 07:43 PM 5.1 155	<b>26</b> Su	01:44 AM 0.0 0 07:42 AM 5.1 155 02:09 PM -0.3 -9 08:03 PM 5.0 152	
<b>12</b> Th	01:38 AM -0.9 -27 07:45 AM 5.7 174 02:24 PM -1.1 -34 08:17 PM 4.8 146	<b>27</b> F	01:35 AM -0.1 -3 07:40 AM 4.9 149 02:13 PM -0.4 -12 08:04 PM 4.2 128		<b>12</b> Su	03:00 AM -0.7 -21 09:05 AM 5.2 158 03:34 PM -0.8 -24 09:36 PM 4.9 149	<b>27</b> M	02:39 AM -0.5 -15 08:29 AM 5.2 158 03:05 PM -0.7 -21 08:49 PM 4.9 149		<b>12</b> Su	01:55 AM -0.5 -15 09:01 AM 5.2 158 03:24 PM -0.6 -18 09:26 PM 5.2 158	<b>27</b> M	02:32 AM -0.4 -12 08:24 AM 5.3 162 02:53 PM -0.5 -15 08:42 PM 5.4 165	
<b>13</b> F	02:29 AM -0.9 -27 08:34 AM 5.6 171 03:12 PM -1.1 -34 09:09 PM 4.8 146	<b>28</b> Sa	02:17 AM -0.2 -6 08:15 AM 5.0 152 02:53 PM -0.5 -15 08:58 PM 4.3 131		<b>13</b> M	03:45 AM -0.5 -15 09:51 AM 5.0 152 04:15 PM -0.6 -18 10:23 PM 4.8 146	<b>28</b> Tu	03:23 AM -0.6 -18 09:10 AM 5.2 158 03:45 PM -0.7 -21 09:31 PM 5.0 152		<b>13</b> M	03:40 AM -0.5 -15 09:42 AM 5.1 155 04:05 PM -0.5 -15 10:07 PM 5.1 155	<b>28</b> Tu	03:19 AM -0.6 -18 09:06 AM 5.4 165 03:36 PM -0.7 -21 09:24 PM 5.6 171	
<b>14</b> Sa	03:18 AM -0.8 -24 09:25 AM 5.4 165 03:59 PM -1.0 -30 10:02 PM 4.7 143	<b>29</b> Su	02:58 AM -0.3 -9 08:50 AM 5.0 152 03:32 PM -0.6 -18 09:15 PM 4.3 131		<b>14</b> Tu	04:29 AM -0.3 -9 10:37 AM 4.7 143 04:56 PM -0.3 -9 11:10 PM 4.6 140	<b>29</b> W	04:22 AM -0.4 -12 10:24 AM 4.9 149 04:44 PM -0.3 -9 10:49 PM 5.0 152		<b>14</b> Tu	04:22 AM -0.4 -12 10:24 AM 4.9 149 04:44 PM -0.3 -9 10:49 PM 5.0 152	<b>29</b> W	04:06 AM -0.7 -21 09:52 AM 5.3 162 04:20 PM -0.7 -21 10:09 PM 5.7 174	
<b>15</b> Su	04:06 AM -0.6 -18 10:16 AM 5.1 155 04:45 PM -0.8 -24 10:55 PM 4.6 140	<b>30</b> M	03:39 AM -0.3 -9 09:28 AM 5.0 152 04:10 PM -0.6 -18 09:56 PM 4.4 134		<b>15</b> W	05:13 AM 0.0 0 11:23 AM 4.4 134 05:37 PM 0.0 0 11:56 PM 4.4 134	<b>30</b> Th	05:03 AM -0.2 -6 11:07 AM 4.7 143 05:21 PM 0.0 0 11:31 PM 4.8 146		<b>15</b> W	05:03 AM -0.2 -6 11:07 AM 4.7 143 05:21 PM 0.0 0 11:31 PM 4.8 146	<b>30</b> Th	04:54 AM -0.7 -21 10:43 AM 5.2 158 05:04 PM -0.6 -18 10:59 PM 5.6 171	
		<b>31</b> Tu	04:20 AM -0.3 -9 10:12 AM 4.9 149 04:49 PM -0.5 -15 10:42 PM 4.5 137							<b>31</b> F	05:44 AM -0.6 -18 11:39 AM 5.0 152 05:52 PM -0.4 -12 11:55 PM 5.5 168			



NEW YORK (The Battery), New York, 2017

Times and Heights of High and Low Waters

April					May					June				
Time	Height	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	h m	ft cm	
<b>1</b> Sa 12:39 PM 06:45 PM	-0.3 4.8 -0.1 -3	<b>16</b> Su 12:10 AM 06:36 AM 12:51 PM 06:22 PM	4.6 0.6 4.0 1.1	<b>1</b> M 12:43 AM 07:24 AM 01:32 PM 07:33 PM	5.5 -0.2 4.8 0.4	<b>16</b> Tu 12:10 AM 06:50 AM 01:06 PM 06:30 PM	4.7 0.7 4.0 1.2	<b>1</b> Th 02:25 AM 09:03 AM 03:10 PM 09:26 PM	5.0 0.1 4.9 0.7	<b>16</b> F 01:09 AM 07:53 AM 01:57 PM 08:16 PM	4.7 0.6 4.4 1.2			
<b>2</b> Su 12:55 AM 07:40 AM 01:41 PM 07:49 PM	5.3 0.0 4.6 0.3	<b>17</b> M 12:50 AM 07:22 AM 01:36 PM 07:00 PM	4.5 0.8 3.9 1.3	<b>2</b> Tu 01:45 AM 08:28 AM 02:32 PM 08:42 PM	5.2 0.1 4.7 0.6	<b>17</b> W 12:52 AM 07:38 AM 01:48 PM 07:25 PM	4.6 0.8 4.0 1.3	<b>2</b> F 03:22 AM 10:00 AM 04:06 PM 10:27 PM	4.7 0.2 4.9 0.7	<b>17</b> Sa 02:00 AM 08:52 AM 02:45 PM 09:33 PM	4.6 0.5 4.6 1.0			
<b>3</b> M 01:57 AM 08:48 AM 02:43 PM 09:00 PM	5.1 0.1 4.5 0.4	<b>18</b> Tu 01:33 AM 08:21 AM 02:22 PM 08:16 PM	4.3 1.0 3.8 1.4	<b>3</b> W 02:46 AM 09:32 AM 03:33 PM 09:50 PM	5.0 0.2 4.7 0.6	<b>18</b> Th 01:39 AM 08:37 AM 02:32 PM 08:53 PM	4.5 0.8 4.1 1.3	<b>3</b> Sa 04:20 AM 10:53 AM 05:01 PM 11:21 PM	4.5 0.3 4.9 0.7	<b>18</b> Su 02:56 AM 09:51 AM 03:38 PM 10:37 PM	4.6 0.4 4.9 0.8			
<b>4</b> Tu 03:01 AM 09:55 AM 03:48 PM 10:09 PM	4.9 0.2 4.4 0.5	<b>19</b> W 02:20 AM 09:25 AM 03:11 PM 09:38 PM	4.3 1.0 3.8 1.4	<b>4</b> Th 03:49 AM 10:31 AM 04:33 PM 10:51 PM	4.8 0.2 4.8 0.6	<b>19</b> F 02:31 AM 09:37 AM 03:20 PM 10:05 PM	4.5 0.7 4.3 1.1	<b>4</b> Su 05:18 AM 11:40 AM 05:54 PM	4.4 0.3 5.0	<b>19</b> M 03:58 AM 10:47 AM 04:37 PM 11:36 PM	4.6 0.2 5.2 0.4			
<b>5</b> W 04:09 AM 10:55 AM 04:54 PM 11:10 PM	4.8 0.1 4.5 0.3	<b>20</b> Th 03:15 AM 10:22 AM 04:05 PM 10:40 PM	4.3 0.9 4.0 1.1	<b>5</b> F 04:52 AM 11:24 AM 05:32 PM 11:46 PM	4.7 0.1 4.9 0.4	<b>20</b> Sa 03:29 AM 10:31 AM 04:15 PM 11:04 PM	4.5 0.5 4.6 0.8	<b>5</b> M 12:12 AM 06:13 AM 12:25 PM 06:42 PM	0.5 4.3 0.3 5.2	<b>20</b> Tu 05:05 AM 11:41 AM 05:39 PM	4.6 0.0 5.5			
<b>6</b> Th 05:17 AM 11:50 AM 05:56 PM	4.8 0.0 4.7	<b>21</b> F 04:16 AM 11:13 AM 05:03 PM 11:35 PM	4.4 0.6 4.2 0.8	<b>6</b> Sa 05:51 AM 12:12 PM 06:25 PM	4.6 0.1 5.1	<b>21</b> Su 04:32 AM 11:22 AM 05:13 PM 11:59 PM	4.6 0.3 4.9 0.4	<b>6</b> Tu 12:59 AM 07:02 AM 01:08 PM 07:25 PM	0.4 4.4 0.4 5.3	<b>21</b> W 12:32 AM 06:12 AM 12:35 PM 06:38 PM	0.0 4.8 -0.2 5.8			
<b>7</b> F 12:06 AM 06:19 AM 12:41 PM 06:50 PM	0.2 4.8 -0.1 4.9	<b>22</b> Sa 05:20 AM 12:01 PM 05:57 PM	4.5 0.3 4.6	<b>7</b> Su 12:37 AM 06:44 AM 12:58 PM 07:12 PM	0.3 4.7 0.1 5.2	<b>22</b> M 05:37 AM 12:12 PM 06:09 PM	4.7 0.0 5.4	<b>7</b> W 01:45 AM 07:47 AM 01:51 PM 08:04 PM	0.3 4.4 0.4 5.3	<b>22</b> Th 01:27 AM 07:13 AM 01:30 PM 07:33 PM	-0.3 4.9 -0.4 6.1			
<b>8</b> Sa 12:58 AM 07:11 AM 01:28 PM 07:38 PM	0.0 4.9 -0.2 5.2	<b>23</b> Su 12:26 AM 06:17 AM 12:47 PM 06:46 PM	0.4 4.8 0.0 5.1	<b>8</b> M 01:25 AM 07:31 AM 01:41 PM 07:54 PM	0.2 4.7 0.1 5.4	<b>23</b> Tu 12:53 AM 06:37 AM 01:02 PM 07:01 PM	0.0 4.9 -0.3 5.8	<b>8</b> Th 02:29 AM 08:29 AM 02:32 PM 08:42 PM	0.2 4.4 0.5 5.4	<b>23</b> F 02:22 AM 08:10 AM 02:25 PM 08:26 PM	-0.6 5.1 -0.5 6.2			
<b>9</b> Su 01:47 AM 07:56 AM 02:13 PM 08:20 PM	-0.1 5.0 -0.2 5.3	<b>24</b> M 01:18 AM 07:09 AM 01:34 PM 07:31 PM	0.0 5.1 -0.3 5.5	<b>9</b> Tu 02:11 AM 08:13 AM 02:23 PM 08:32 PM	0.1 4.7 0.1 5.4	<b>24</b> W 01:47 AM 07:32 AM 01:53 PM 07:51 PM	-0.3 5.1 -0.4 6.1	<b>9</b> F 03:11 AM 09:09 AM 03:13 PM 09:17 PM	0.1 4.4 0.5 5.3	<b>24</b> Sa 03:15 AM 09:05 AM 03:19 PM 09:19 PM	-0.8 5.2 -0.5 6.2			
<b>10</b> M 02:34 AM 08:38 AM 02:55 PM 09:00 PM	-0.2 5.0 -0.2 5.4	<b>25</b> Tu 02:08 AM 07:57 AM 02:21 PM 08:15 PM	-0.3 5.3 -0.5 5.8	<b>10</b> W 02:54 AM 08:53 AM 03:03 PM 09:09 PM	0.0 4.7 0.2 5.4	<b>25</b> Th 02:40 AM 08:25 AM 02:45 PM 08:41 PM	-0.6 5.2 -0.5 6.3	<b>10</b> Sa 03:52 AM 09:50 AM 03:52 PM 09:52 PM	0.1 4.3 0.6 5.2	<b>25</b> Su 04:07 AM 10:01 AM 04:12 PM 10:14 PM	-0.9 5.2 -0.4 6.1			
<b>11</b> Tu 03:18 AM 09:18 AM 03:35 PM 09:38 PM	-0.2 4.9 -0.1 5.3	<b>26</b> W 02:59 AM 08:45 AM 03:09 PM 09:00 PM	-0.6 5.4 -0.6 6.0	<b>11</b> Th 03:36 AM 09:33 AM 03:42 PM 09:45 PM	0.0 4.6 0.3 5.3	<b>26</b> F 03:32 AM 09:19 AM 03:36 PM 09:32 PM	-0.8 5.3 -0.6 6.3	<b>11</b> Su 04:31 AM 10:31 AM 04:29 PM 10:26 PM	0.1 4.3 0.7 5.1	<b>26</b> M 04:57 AM 11:00 AM 05:04 PM 11:11 PM	-0.8 5.2 -0.3 5.8			
<b>12</b> W 03:59 AM 09:58 AM 04:12 PM 10:15 PM	-0.2 4.8 0.1 5.2	<b>27</b> Th 03:49 AM 09:35 AM 03:57 PM 09:49 PM	-0.8 5.4 -0.6 6.1	<b>12</b> F 04:16 AM 10:14 AM 04:18 PM 10:20 PM	0.0 4.5 0.5 5.2	<b>27</b> Sa 04:24 AM 10:16 AM 04:28 PM 10:28 PM	-0.9 5.2 -0.5 6.1	<b>12</b> M 05:09 AM 11:12 AM 05:04 PM 11:01 PM	0.2 4.2 0.8 4.9	<b>27</b> Tu 05:48 AM 11:59 AM 05:57 PM	-0.6 5.1 0.0			
<b>13</b> Th 04:39 AM 10:39 AM 04:48 PM 10:53 PM	-0.1 4.6 0.3 5.0	<b>28</b> F 04:39 AM 10:29 AM 04:45 PM 10:42 PM	-0.8 5.2 -0.5 6.0	<b>13</b> Sa 04:54 AM 10:56 AM 04:53 PM 10:55 PM	0.1 4.3 0.7 5.0	<b>28</b> Su 05:15 AM 11:16 AM 05:20 PM 11:27 PM	-0.8 5.1 -0.3 5.9	<b>13</b> Tu 05:46 AM 11:53 AM 05:37 PM 11:38 PM	0.3 4.1 0.9 4.8	<b>28</b> W 12:10 AM 06:39 AM 12:55 PM 06:52 PM	5.5 -0.4 5.1 0.3			
<b>14</b> F 05:18 AM 11:22 AM 05:21 PM 11:31 PM	0.1 4.4 0.5 4.8	<b>29</b> Sa 05:30 AM 11:29 AM 05:35 PM 11:41 PM	-0.7 5.1 -0.3 5.8	<b>14</b> Su 05:32 AM 11:39 AM 05:25 PM 11:31 PM	0.3 4.1 0.9 4.8	<b>29</b> M 06:08 AM 12:18 PM 06:15 PM	-0.6 5.0 0.0	<b>14</b> W 06:23 AM 12:33 PM 06:14 PM	0.4 4.1 1.0	<b>29</b> Th 01:06 AM 07:33 AM 01:49 PM 07:52 PM	5.2 -0.1 5.0 0.6			
<b>15</b> Sa 05:56 AM 12:06 PM 05:53 PM	0.4 4.2 0.8	<b>30</b> Su 06:25 AM 12:31 PM 06:31 PM	-0.5 4.9 0.0	<b>15</b> M 06:10 AM 12:23 PM 05:56 PM	0.5 4.0 1.1	<b>30</b> Tu 12:29 AM 07:04 AM 01:17 PM 07:15 PM	5.6 -0.3 5.0 0.4	<b>15</b> Th 12:21 AM 07:03 AM 01:14 PM 07:02 PM	4.7 0.5 4.2 1.1	<b>30</b> F 01:59 AM 08:29 AM 02:41 PM 08:55 PM	4.9 0.2 4.9 0.8			
						<b>31</b> W 01:28 AM 08:03 AM 02:14 PM 08:20 PM	5.3 -0.1 4.9 0.6							



StationId:8518750

Source:NOAA/NOS/CO-OPS

Station Type:Harmonic

Time Zone:LST/LDT

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

NEW YORK (The Battery),New York,2017

Times and Heights of High and Low Waters

July					August					September						
Time	Height		Time	Height		Time	Height		Time	Height		Time	Height			
	h	m	ft	cm		h	m	ft	cm		h	m	ft	cm		
<b>1</b> Sa 09:24 AM 03:33 PM 09:56 PM	02:51 AM	4.6	14.0	0.4	12	04:04 AM	4.0	12.2	0.9	27	03:26 AM	4.5	13.7	0.4	12	
<b>2</b> Su 04:25 PM 10:52 PM	03:33 PM	4.9	14.9	0.9	27	05:03 AM	3.9	11.9	0.9	27	04:36 AM	4.5	13.7	0.3	9	
<b>3</b> M 11:06 AM 05:18 PM 11:43 PM	04:25 PM	4.9	14.9	0.8	24	11:18 AM	0.9	2.7	0.9	27	11:04 AM	0.3	0.9	0.3	9	
<b>4</b> Tu 11:51 AM 06:08 PM	10:52 PM	0.8	2.4	0.4	12	05:32 PM	4.8	14.6	12:00 AM	0.8	2.4	05:46 AM	4.7	14.3	0.1	3
<b>5</b> W 06:32 AM 12:36 PM 06:55 PM	11:43 PM	0.7	2.1	0.6	18	12:04 PM	0.9	2.7	06:00 AM	4.0	12.2	12:03 PM	0.1	0.3	0.1	3
<b>6</b> Th 07:20 AM 01:20 PM 07:37 PM	06:08 PM	5.0	15.2	4.1	12.5	06:23 PM	4.9	14.9	12:04 PM	0.9	2.7	06:11 PM	5.6	17.1	5.6	17.1
<b>7</b> F 08:04 AM 02:03 PM 08:16 PM	12:31 AM	0.6	1.8	0.6	1.8	07:08 PM	5.1	15.5	05:46 AM	4.7	14.3	12:03 PM	0.1	0.3	0.6	18
<b>8</b> Sa 02:45 AM 08:45 AM 02:46 PM 08:53 PM	06:32 AM	4.1	12.5	4.1	12.5	06:52 AM	4.1	12.5	12:53 AM	-0.2	-0.6	12:03 PM	0.1	0.3	0.6	18
<b>9</b> Su 03:26 AM 09:24 AM 03:27 PM 09:27 PM	06:55 PM	5.1	15.5	4.6	13.8	07:08 PM	5.1	15.5	06:49 AM	4.9	14.9	01:06 PM	0.7	2.1	0.7	2.1
<b>10</b> M 04:06 AM 10:02 AM 04:06 PM 10:01 PM	09:24 AM	4.4	13.4	0.5	15	07:08 PM	5.1	15.5	07:10 PM	5.8	17.7	07:18 PM	5.1	15.5	5.1	15.5
<b>11</b> Tu 10:40 AM 04:44 PM 10:35 PM	03:26 AM	0.1	0.3	0.1	0.3	07:08 PM	5.1	15.5	01:46 AM	-0.4	-1.2	01:06 PM	0.7	2.1	0.7	2.1
<b>12</b> W 11:18 AM 05:21 PM 11:12 PM	09:24 AM	4.4	13.4	0.5	15	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>13</b> Th 11:57 AM 06:00 PM 11:56 PM	03:26 AM	0.1	0.3	0.1	0.3	07:08 PM	5.1	15.5	01:46 AM	-0.4	-1.2	07:18 PM	5.1	15.5	5.1	15.5
<b>14</b> F 12:40 PM 06:47 PM	09:24 AM	4.4	13.4	0.5	15	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>15</b> Sa 07:17 AM 01:26 PM 07:52 PM	03:26 AM	0.1	0.3	0.1	0.3	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>16</b> Su 02:15 PM 09:07 PM	09:24 AM	4.4	13.4	0.5	15	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>17</b> M 09:17 AM 03:10 PM 10:15 PM	03:26 AM	0.1	0.3	0.1	0.3	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>18</b> Tu 03:36 AM 10:20 AM 04:11 PM 11:17 PM	09:24 AM	4.4	13.4	0.5	15	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>19</b> W 04:46 AM 11:19 AM 05:17 PM	03:26 AM	0.1	0.3	0.1	0.3	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>20</b> Th 12:14 AM 05:56 AM 12:16 PM 06:21 PM	09:24 AM	4.4	13.4	0.5	15	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>21</b> F 07:00 AM 01:13 PM 07:20 PM	03:26 AM	0.1	0.3	0.1	0.3	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>22</b> Sa 02:05 AM 07:57 AM 02:08 PM 08:14 PM	09:24 AM	4.4	13.4	0.5	15	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>23</b> Su 02:57 AM 08:51 AM 03:03 PM 09:06 PM	03:26 AM	0.1	0.3	0.1	0.3	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>24</b> M 03:48 AM 09:44 AM 03:55 PM 09:58 PM	09:24 AM	4.4	13.4	0.5	15	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>25</b> Tu 04:36 AM 10:38 AM 04:45 PM 10:51 PM	03:26 AM	0.1	0.3	0.1	0.3	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>26</b> W 05:23 AM 11:33 AM 05:35 PM 11:45 PM	09:24 AM	4.4	13.4	0.5	15	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>27</b> Th 06:10 AM 12:27 PM 06:26 PM	03:26 AM	0.1	0.3	0.1	0.3	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>28</b> F 12:37 AM 06:58 AM 01:18 PM 07:21 PM	09:24 AM	4.4	13.4	0.5	15	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>29</b> Sa 01:28 AM 07:49 AM 02:07 PM 08:20 PM	03:26 AM	0.1	0.3	0.1	0.3	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>30</b> Su 02:18 AM 08:43 AM 02:56 PM 09:21 PM	09:24 AM	4.4	13.4	0.5	15	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5
<b>31</b> M 03:09 AM 09:37 AM 03:46 PM 10:19 PM	03:26 AM	0.1	0.3	0.1	0.3	07:08 PM	5.1	15.5	07:45 AM	5.2	15.8	07:18 PM	5.1	15.5	5.1	15.5

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.



NEW YORK (The Battery),New York,2017

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																											
1 Su	05:42 AM	4.2 128	11:50 AM	1.0 30	05:55 PM	4.8 146	1 W	12:27 AM	0.1 3	06:29 AM	4.9 149	12:56 PM	0.2 6	06:46 PM	4.9 149	1 F	05:38 AM	5.3 162	12:21 PM	-0.3 -9	06:05 PM	4.8 146	16 Sa	06:51 AM	5.0 152	01:12 PM	-0.1 -3	07:12 PM	4.2 128															
2 M	12:22 AM	0.5 15	06:29 AM	4.5 137	12:37 PM	0.7 21	06:41 PM	5.0 152	2 Th	01:11 AM	-0.2 -6	07:11 AM	5.3 162	01:44 PM	-0.1 -3	07:32 PM	5.1 155	17 F	01:03 AM	-0.2 -6	07:14 AM	5.4 165	01:35 PM	-0.1 -3	07:32 PM	4.6 140	2 Sa	12:27 AM	-0.6 -18	06:26 AM	5.7 174	01:13 PM	-0.6 -18	06:56 PM	4.9 149	17 Su	01:17 AM	0.0 0	07:29 AM	5.1 155	01:55 PM	-0.2 -6	07:52 PM	4.2 128
3 Tu	01:05 AM	0.3 9	07:10 AM	4.8 146	01:23 PM	0.4 12	07:23 PM	5.2 158	3 F	01:56 AM	-0.4 -12	07:52 AM	5.7 174	02:33 PM	-0.4 -12	08:16 PM	5.2 158	18 Sa	01:45 AM	-0.1 -3	07:52 AM	5.4 165	02:18 PM	-0.1 -3	08:12 PM	4.5 137	3 Su	01:17 AM	-0.8 -24	07:14 AM	5.9 180	02:05 PM	-0.9 -27	07:47 PM	5.0 152	18 M	01:58 AM	0.0 0	08:06 AM	5.0 152	02:36 PM	-0.2 -6	08:32 PM	4.1 125
4 W	01:47 AM	0.0 0	07:46 AM	5.1 155	02:09 PM	0.1 3	08:01 PM	5.4 165	4 Sa	02:42 AM	-0.6 -18	08:34 AM	5.9 180	03:23 PM	-0.6 -18	09:03 PM	5.2 158	19 Su	02:24 AM	0.0 0	08:29 AM	5.3 162	02:59 PM	-0.1 -3	08:53 PM	4.4 134	4 M	02:08 AM	-0.9 -27	08:03 AM	6.0 183	02:56 PM	-1.0 -30	08:40 PM	5.0 152	19 Tu	02:38 AM	0.1 3	08:42 AM	4.9 149	03:15 PM	-0.2 -6	09:12 PM	4.0 122
5 Th	02:29 AM	-0.2 -6	08:22 AM	5.4 165	02:56 PM	-0.1 -3	08:40 PM	5.4 165	5 Su	02:28 AM	-0.6 -18	08:18 AM	6.0 183	03:12 PM	-0.7 -21	08:53 PM	5.1 155	20 M	03:03 AM	0.2 6	09:06 AM	5.1 155	03:39 PM	0.0 0	09:35 PM	4.2 128	5 Tu	02:59 AM	-0.9 -27	08:55 AM	5.9 180	03:47 PM	-1.0 -30	09:38 PM	4.9 149	20 W	03:15 AM	0.2 6	09:18 AM	4.8 146	03:53 PM	-0.1 -3	09:53 PM	3.9 119
6 F	03:11 AM	-0.3 -9	08:59 AM	5.7 174	03:42 PM	-0.2 -6	09:22 PM	5.4 165	6 M	03:15 AM	-0.6 -18	09:08 AM	6.0 183	04:02 PM	-0.6 -18	09:50 PM	5.0 152	21 Tu	03:39 AM	0.4 12	09:44 AM	4.9 149	04:18 PM	0.2 6	10:20 PM	4.0 122	6 W	03:50 AM	-0.7 -21	09:53 AM	5.7 174	04:39 PM	-0.9 -27	10:41 PM	4.8 146	21 Th	03:51 AM	0.3 9	09:53 AM	4.6 140	04:30 PM	0.0 0	10:33 PM	3.8 116
7 Sa	03:53 AM	-0.4 -12	09:39 AM	5.8 177	04:28 PM	-0.3 -9	10:08 PM	5.3 162	7 Su	04:05 AM	-0.4 -12	10:04 AM	5.8 177	04:55 PM	-0.4 -12	10:53 PM	4.8 146	22 M	04:13 AM	0.6 18	10:13 AM	4.7 143	04:57 PM	0.4 12	11:07 PM	3.8 116	7 Th	04:44 AM	-0.5 -15	10:55 AM	5.5 168	05:34 PM	-0.6 -18	11:43 PM	4.7 143	22 F	04:24 AM	0.5 15	10:30 AM	4.5 137	05:06 PM	0.1 3	11:14 PM	3.7 113
8 Su	04:36 AM	-0.3 -9	10:25 AM	5.8 177	05:17 PM	-0.2 -6	11:02 PM	5.1 155	8 M	04:58 AM	-0.1 -3	11:07 AM	5.5 168	05:53 PM	-0.2 -6	11:58 PM	4.7 143	23 Tu	04:46 AM	0.8 24	11:05 AM	4.5 137	05:38 PM	0.5 15	11:54 PM	3.7 113	8 W	05:42 AM	-0.1 -3	11:57 AM	5.2 158	06:32 PM	-0.4 -12			23 Sa	04:56 AM	0.6 18	11:08 AM	4.3 131	05:44 PM	0.2 6	11:53 PM	3.7 113
9 M	05:21 AM	-0.2 -6	11:19 AM	5.7 174	06:09 PM	0.0 0			9 Th	05:58 AM	0.2 6	12:12 PM	5.3 162	06:56 PM	0.0 0			24 F	05:19 AM	1.0 30	11:49 AM	4.3 131	06:26 PM	0.7 21			9 Sa	12:43 AM	4.6 140	06:46 AM	0.2 6	12:57 PM	4.9 149	07:34 PM	-0.2 -6	24 Su	05:34 AM	0.8 24	11:51 AM	4.2 128	06:27 PM	0.3 9		
10 Tu	12:03 AM	4.9 149	06:11 AM	0.1 3	12:19 PM	5.5 168	07:09 PM	0.2 6	10 W	01:01 AM	4.6 140	07:07 AM	0.4 12	01:16 PM	5.1 155	08:02 PM	0.1 3	25 Th	12:39 AM	3.7 113	06:07 AM	1.2 37	12:34 PM	4.2 128	07:22 PM	0.8 24	10 Sa	01:42 AM	4.6 140	07:54 AM	0.3 9	01:55 PM	4.6 140	08:34 PM	-0.1 -3	25 Su	12:34 AM	3.8 116	06:33 AM	0.9 27	12:38 PM	4.2 128	07:23 PM	0.3 9
11 W	01:07 AM	4.7 143	07:11 AM	0.4 12	01:23 PM	5.4 165	08:16 PM	0.4 12	11 Th	02:03 AM	4.6 140	08:17 AM	0.5 15	02:19 PM	4.9 149	09:04 PM	0.0 0	26 M	01:24 AM	3.7 113	07:30 AM	1.2 37	01:22 PM	4.2 128	08:20 PM	0.7 21	11 Tu	02:39 AM	4.6 140	08:59 AM	0.4 12	02:54 PM	4.4 134	09:30 PM	-0.1 -3	26 W	01:19 AM	4.0 122	07:59 AM	0.8 24	01:30 PM	4.1 125	08:24 PM	0.3 9
12 Th	02:12 AM	4.6 140	08:23 AM	0.6 18	02:28 PM	5.2 158	09:24 PM	0.4 12	12 F	02:20 AM	3.8 116	08:10 AM	1.5 46	02:23 PM	4.3 131	09:14 PM	1.1 34	27 Sa	02:10 AM	3.9 119	08:44 AM	1.1 34	02:14 PM	4.2 128	09:14 PM	0.5 15	12 Su	03:37 AM	4.6 140	09:58 AM	0.3 9	03:54 PM	4.2 128	10:21 PM	-0.1 -3	27 M	02:10 AM	4.2 128	09:09 AM	0.6 18	02:29 PM	4.1 125	09:22 PM	0.1 3
13 F	03:16 AM	4.6 140	09:35 AM	0.6 18	03:35 PM	5.1 155	10:27 PM	0.2 6	13 Sa	03:10 AM	3.8 116	09:24 AM	1.5 46	03:14 PM	4.3 131	10:09 PM	0.9 27	28 Su	03:00 AM	4.1 125	09:44 AM	0.8 24	03:12 PM	4.3 131	10:03 PM	0.2 6	13 M	04:33 AM	4.7 143	10:51 AM	0.2 6	04:51 PM	4.1 125	11:07 PM	-0.1 -3	28 Tu	03:07 AM	4.5 137	10:10 AM	0.3 9	03:35 PM	4.1 125	10:17 PM	-0.2 -6
14 Sa	04:22 AM	4.7 143	10:40 AM	0.5 15	04:42 PM	5.1 155	11:23 PM	0.1 3	14 Su	04:02 AM	3.9 119	10:25 AM	1.3 40	04:09 PM	4.4 134	10:58 PM	0.7 21	29 M	03:54 AM	4.5 137	10:37 AM	0.4 12	04:13 PM	4.4 134	10:50 PM	-0.1 -3	14 Th	05:24 AM	4.8 146	11:40 AM	0.1 3	05:43 PM	4.2 128	11:52 PM	-0.1 -3	29 F	04:09 AM	4.8 146	11:06 AM	-0.1 -3	04:42 PM	4.3 131	11:10 PM	-0.4 -12
15 Su	05:25 AM	4.9 149	11:38 AM	0.3 9	05:45 PM	5.1 155			15 M	04:55 AM	4.1 125	11:18 AM	1.0 30	05:05 PM	4.5 137	11:44 PM	0.4 12	30 Tu	04:48 AM	4.9 149	11:29 AM	0.1 3	05:11 PM	4.6 140	11:38 PM	-0.4 -12	15 W	06:09 AM	5.0 152	12:27 PM	0.0 0	06:29 PM	4.2 128			30 Sa	05:10 AM	5.2 158	12:01 PM	-0.5 -15	05:44 PM	4.5 137		
								31 Th	05:45 AM	4.5 137	12:07 PM	0.6 18	05:58 PM	4.7 143			31 Su	12:04 AM	-0.7 -21	06:07 AM	5.5 168	12:55 PM	-0.8 -24	06:41 PM	4.7 143																			

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