



StationId:8535163
 Source:NOAA/NOS/CO-OPS
 Station Type:Subordinate
 Time Zone:LST/LDT
 Datum:mean lower low water (MLLW) which is the chart datum of soundings

NOAA Tide Predictions

Strathmere, Strathmere Bay, New Jersey, 2014

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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 W | 01:01 AM | -0.9 | -27 | | 16 Th | 01:38 AM | -0.1 | -3 | | 1 Sa | 02:36 AM | -1.1 | -34 | | 16 Su | 02:31 AM | -1.0 | -30 | | 1 Sa | 01:31 AM | -1.0 | -30 | | 16 Su | 02:31 AM | -0.1 | -3 | | 16 Su | 08:35 AM | 4.1 | 125 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 07:21 AM | 5.2 | 158 | | | 07:52 AM | 4.2 | 128 | | | 08:47 AM | 5.0 | 152 | | | 08:37 AM | 4.1 | 125 | | | 07:40 AM | 5.0 | 152 | | | 02:02 PM | -1.1 | -34 | | | 02:54 PM | -0.1 | -3 | | | 08:58 PM | 4.0 | 122 | | | | | | | | | | | | | | | | | | | | | |
| | 01:53 PM | -1.0 | -30 | | | 02:28 PM | -0.2 | -6 | | | 03:14 PM | -1.2 | -37 | | | 03:02 PM | -0.2 | -6 | | | 02:02 PM | -1.1 | -34 | | | 08:05 PM | 4.5 | 137 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 07:46 PM | 3.9 | 119 | | | 08:17 PM | 3.3 | 101 | | | 09:15 PM | 4.3 | 131 | | | 09:02 PM | 3.7 | 113 | | | 08:05 PM | 4.5 | 137 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 Th | 01:54 AM | -1.0 | -30 | | 17 F | 02:16 AM | -0.1 | -3 | | 2 Su | 03:30 AM | -1.0 | -30 | | 17 M | 03:08 AM | -0.1 | -3 | | 2 Su | 02:23 AM | -1.0 | -30 | | 17 M | 03:09 AM | -0.2 | -6 | | 2 Su | 08:28 AM | 4.8 | 146 | | 17 M | 09:10 AM | 4.0 | 122 | | 17 M | 03:26 PM | -0.2 | -6 | | 17 M | 09:32 PM | 4.1 | 125 | | | | | | | | | | | |
| | 08:12 AM | 5.2 | 158 | | | 08:28 AM | 4.2 | 128 | | | 09:36 AM | 4.8 | 146 | | | 09:10 AM | 4.0 | 122 | | | 02:49 PM | -1.0 | -30 | | | 03:26 PM | -0.2 | -6 | | | 08:53 PM | 4.6 | 140 | | | 03:26 PM | -0.2 | -6 | | | 09:32 PM | 4.1 | 125 | | | | | | | | | | | | | | | | |
| | 02:45 PM | -1.1 | -34 | | | 03:03 PM | -0.2 | -6 | | | 04:03 PM | -1.1 | -34 | | | 03:33 PM | -0.2 | -6 | | | 02:49 PM | -1.0 | -30 | | | 03:26 PM | -0.2 | -6 | | | 08:53 PM | 4.6 | 140 | | | 03:26 PM | -0.2 | -6 | | | 09:32 PM | 4.1 | 125 | | | | | | | | | | | | | | | | |
| | 08:39 PM | 4.0 | 122 | | | 08:54 PM | 3.3 | 101 | | | 10:06 PM | 4.2 | 128 | | | 09:36 PM | 3.7 | 113 | | | 08:53 PM | 4.6 | 140 | | | 03:26 PM | -0.2 | -6 | | | 08:53 PM | 4.6 | 140 | | | 03:26 PM | -0.2 | -6 | | | 09:32 PM | 4.1 | 125 | | | | | | | | | | | | | | | | |
| 3 F | 02:49 AM | -1.0 | -30 | | 18 Sa | 02:52 AM | -0.1 | -3 | | 3 M | 04:24 AM | -0.8 | -24 | | 18 Tu | 03:46 AM | -0.1 | -3 | | 3 M | 03:14 AM | -0.9 | -27 | | 18 Tu | 03:47 AM | -0.2 | -6 | | 3 M | 09:15 AM | 4.6 | 140 | | 18 Tu | 09:44 AM | 4.0 | 122 | | 18 Tu | 04:00 PM | -0.2 | -6 | | 18 Tu | 10:07 PM | 4.2 | 128 | | | | | | | | | | | |
| | 09:03 AM | 5.1 | 155 | | | 09:02 AM | 4.1 | 125 | | | 10:26 AM | 4.4 | 134 | | | 09:43 AM | 3.8 | 116 | | | 09:15 AM | 4.6 | 140 | | | 09:44 AM | 4.0 | 122 | | | 03:35 PM | -0.9 | -27 | | | 04:00 PM | -0.2 | -6 | | | 10:07 PM | 4.2 | 128 | | | | | | | | | | | | | | | | |
| | 03:36 PM | -1.1 | -34 | | | 03:36 PM | -0.1 | -3 | | | 04:52 PM | -0.9 | -27 | | | 04:06 PM | -0.1 | -3 | | | 03:35 PM | -0.9 | -27 | | | 04:00 PM | -0.2 | -6 | | | 04:06 PM | 4.5 | 137 | | | 04:00 PM | -0.2 | -6 | | | 10:07 PM | 4.2 | 128 | | | | | | | | | | | | | | | | |
| | 09:33 PM | 4.0 | 122 | | | 09:30 PM | 3.3 | 101 | | | 10:58 PM | 4.1 | 125 | | | 10:11 PM | 3.7 | 113 | | | 09:40 PM | 4.5 | 137 | | | 04:00 PM | -0.2 | -6 | | | 04:06 PM | 4.5 | 137 | | | 04:00 PM | -0.2 | -6 | | | 10:07 PM | 4.2 | 128 | | | | | | | | | | | | | | | | |
| 4 Sa | 03:44 AM | -0.9 | -27 | | 19 Su | 03:29 AM | 0.0 | 0 | | 4 Tu | 05:19 AM | -0.4 | -12 | | 19 W | 04:27 AM | 0.0 | 0 | | 4 Tu | 04:04 AM | -0.7 | -21 | | 19 W | 04:27 AM | -0.2 | -6 | | 4 Tu | 10:03 AM | 4.3 | 131 | | 19 W | 10:20 AM | 3.8 | 116 | | 19 W | 04:35 PM | -0.1 | -3 | | 19 W | 10:44 PM | 4.2 | 128 | | | | | | | | | | | |
| | 09:55 AM | 4.9 | 149 | | | 09:35 AM | 3.9 | 119 | | | 11:18 AM | 4.0 | 122 | | | 10:18 AM | 3.6 | 110 | | | 10:03 AM | 4.3 | 131 | | | 10:20 AM | 3.8 | 116 | | | 10:42 PM | -0.1 | -3 | | | 10:44 PM | 4.2 | 128 | | | 04:35 PM | -0.1 | -3 | | | | | | | | | | | | | | | | |
| | 04:28 PM | -1.0 | -30 | | | 04:09 PM | -0.1 | -3 | | | 05:42 PM | -0.6 | -18 | | | 04:42 PM | -0.1 | -3 | | | 10:03 AM | 4.3 | 131 | | | 10:44 PM | 4.2 | 128 | | | 10:50 PM | 3.7 | 113 | | | 10:44 PM | 4.2 | 128 | | | 04:35 PM | -0.1 | -3 | | | | | | | | | | | | | | | | |
| | 10:28 PM | 4.0 | 122 | | | 10:06 PM | 3.3 | 101 | | | 11:53 PM | 3.9 | 119 | | | 10:50 PM | 3.7 | 113 | | | 10:28 PM | 4.3 | 131 | | | 10:44 PM | 4.2 | 128 | | | 11:36 PM | 3.8 | 116 | | | 10:44 PM | 4.2 | 128 | | | 04:35 PM | -0.1 | -3 | | | | | | | | | | | | | | | | |
| 5 Su | 04:41 AM | -0.6 | -18 | | 20 M | 04:08 AM | 0.1 | 3 | | 5 W | 06:18 AM | -0.1 | -3 | | 20 Th | 05:13 AM | 0.2 | 6 | | 5 W | 04:56 AM | -0.4 | -12 | | 20 Th | 05:10 AM | -0.1 | -3 | | 5 W | 10:58 AM | 3.4 | 104 | | 20 Th | 10:58 AM | 3.7 | 113 | | 20 Th | 05:15 PM | -0.1 | -3 | | 20 Th | 11:26 PM | 4.2 | 128 | | | | | | | | | | | |
| | 10:48 AM | 4.6 | 140 | | | 10:09 AM | 3.8 | 116 | | | 12:12 PM | 3.6 | 110 | | | 10:58 AM | 3.4 | 104 | | | 10:51 AM | 3.9 | 119 | | | 10:58 AM | 3.7 | 113 | | | 11:36 PM | 3.8 | 116 | | | 10:58 AM | 3.7 | 113 | | | 11:26 PM | 4.2 | 128 | | | | | | | | | | | | | | | | |
| | 05:20 PM | -0.8 | -24 | | | 04:42 PM | 0.0 | 0 | | | 06:34 PM | -0.2 | -6 | | | 05:24 PM | 0.0 | 0 | | | 10:51 AM | 3.9 | 119 | | | 10:58 AM | 3.7 | 113 | | | 11:36 PM | 3.8 | 116 | | | 05:15 PM | -0.1 | -3 | | | 11:26 PM | 4.2 | 128 | | | | | | | | | | | | | | | | |
| | 11:26 PM | 3.9 | 119 | | | 10:43 PM | 3.3 | 101 | | | 07:29 PM | 0.0 | 0 | | | 11:36 PM | 3.8 | 116 | | | 11:17 PM | 4.1 | 125 | | | 11:26 PM | 4.2 | 128 | | | 11:36 PM | 3.8 | 116 | | | 11:26 PM | 4.2 | 128 | | | 11:26 PM | 4.2 | 128 | | | | | | | | | | | | | | | | |
| 6 M | 05:41 AM | -0.3 | -9 | | 21 Tu | 04:49 AM | 0.2 | 6 | | 6 Th | 12:50 AM | 3.8 | 116 | | 21 F | 06:06 AM | 0.3 | 9 | | 6 Th | 05:50 AM | 0.0 | 0 | | 21 F | 05:58 AM | 0.0 | 0 | | 6 Th | 11:41 AM | 3.5 | 107 | | 21 F | 11:42 AM | 3.5 | 107 | | 21 F | 06:00 PM | 0.0 | 0 | | | | | | | | | | | | | | | | |
| | 11:44 AM | 4.2 | 128 | | | 11:25 AM | 3.6 | 110 | | | 07:19 AM | 0.2 | 6 | | | 11:47 AM | 3.3 | 101 | | | 05:50 AM | 0.0 | 0 | | | 11:42 AM | 3.5 | 107 | | | 06:14 PM | 0.1 | 3 | | | 06:00 PM | 0.0 | 0 | | | 06:00 PM | 0.0 | 0 | | | | | | | | | | | | | | | | |
| | 06:14 PM | -0.6 | -18 | | | 11:24 PM | 3.3 | 101 | | | 07:29 PM | 0.0 | 0 | | | 06:14 PM | 0.1 | 3 | | | 05:57 PM | 0.0 | 0 | | | 11:42 AM | 3.5 | 107 | | | 06:14 PM | 0.1 | 3 | | | 06:00 PM | 0.0 | 0 | | | 06:00 PM | 0.0 | 0 | | | | | | | | | | | | | | | | |
| 7 Tu | 12:26 AM | 3.8 | 116 | | 22 W | 05:36 AM | 0.4 | 12 | | 7 F | 01:51 AM | 3.6 | 110 | | 22 Sa | 07:09 AM | 0.3 | 9 | | 7 F | 12:09 AM | 3.9 | 119 | | 22 Sa | 12:14 AM | 4.2 | 128 | | 7 F | 06:47 AM | 0.3 | 9 | | 22 Sa | 06:52 AM | 0.2 | 6 | | 7 F | 12:37 PM | 3.2 | 98 | | 22 Sa | 12:34 PM | 3.4 | 104 | | 7 F | 06:49 PM | 0.4 | 12 | | 22 Sa | 06:54 PM | 0.2 | 6 | |
| | 06:43 AM | -0.1 | -3 | | | 11:25 AM | 3.4 | 104 | | | 08:24 AM | 0.4 | 12 | | | 07:09 AM | 0.3 | 9 | | | 12:09 AM | 3.9 | 119 | | | 12:14 AM | 4.2 | 128 | | | 06:47 AM | 0.3 | 9 | | | 12:37 PM | 3.2 | 98 | | | 06:54 PM | 0.2 | 6 | | | | | | | | | | | | | | | | |
| | 12:42 PM | 3.8 | 116 | | | 05:58 PM | 0.1 | 3 | | | 02:13 PM | 3.0 | 91 | | | 12:47 PM | 3.1 | 94 | | | 12:37 PM | 3.2 | 98 | | | 12:34 PM | 3.4 | 104 | | | 07:14 PM | 0.1 | 3 | | | 12:37 PM | 3.2 | 98 | | | 06:54 PM | 0.2 | 6 | | | | | | | | | | | | | | | | |
| | 07:10 PM | -0.4 | -12 | | | 05:58 PM | 0.1 | 3 | | | 08:27 PM | 0.2 | 6 | | | 07:14 PM | 0.1 | 3 | | | 06:49 PM | 0.4 | 12 | | | 12:34 PM | 3.4 | 104 | | | 07:14 PM | 0.1 | 3 | | | 12:37 PM | 3.2 | 98 | | | 06:54 PM | 0.2 | 6 | | | | | | | | | | | | | | | | |
| 8 W | 01:28 AM | 3.7 | 113 | | 23 Th | 12:11 AM | 3.4 | 104 | | 8 Sa | 02:53 AM | 3.6 | 110 | | 23 Su | 01:38 AM | 3.9 | 119 | | 8 Sa | 01:06 AM | 3.6 | 110 | | 23 Su | 01:11 AM | 4.1 | 125 | | 8 Sa | 07:48 AM | 0.5 | 15 | | 23 Su | 07:53 AM | 0.2 | 6 | | 8 Sa | 01:37 PM | 3.0 | 91 | | 23 Su | 01:37 PM | 3.2 | 98 | | 8 Sa | 07:57 PM | 0.3 | 9 | | | | | | |
| | 07:49 AM | 0.2 | 6 | | | 06:30 AM | 0.4 | 12 | | | 09:28 AM | 0.5 | 15 | | | 08:18 AM | 0.3 | 9 | | | 01:06 AM | 3.6 | 110 | | | 01:11 AM | 4.1 | 125 | | | 07:48 AM | 0.5 | 15 | | | 07:53 AM | 0.2 | 6 | | | 01:37 PM | 3.2 | 98 | | | | | | | | | | | | | | | | |
| | 01:44 PM | 3.5 | 107 | | | 12:13 PM | 3.2 | 98 | | | 03:17 PM | 2.9 | 88 | | | 08:22 PM | 0.1 | 3 | | | 01:37 PM | 3.0 | 91 | | | 01:37 PM | 3.2 | 98 | | | 07:48 AM | 0.5 | 15 | | | 07:53 AM | 0.2 | 6 | | | 01:37 PM | 3.2 | 98 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| April | | | | | May | | | | | June | | | | | | | | | | | | | | | | | | |
|-----------------|----------|------|------|--------|-----------------|----------|--------|-----|------|-----------------|----------|------|--------|----|-----------------|----------|------|-----|--|-----------------|----------|------|-----|--|-----------------|----------|------|-----|
| Time | Height | | Time | Height | | Time | Height | | Time | Height | | Time | Height | | | | | | | | | | | | | | | |
| | h | m | ft | cm | | h | m | ft | cm | | h | m | ft | cm | | | | | | | | | | | | | | |
| 1 Tu | 03:57 AM | -0.7 | -21 | | 16 W | 03:27 AM | -0.2 | -6 | | 1 Th | 04:24 AM | -0.3 | -9 | | 16 F | 03:55 AM | -0.4 | -12 | | 1 Su | 05:28 AM | 0.2 | 6 | | 16 M | 05:20 AM | -0.6 | -18 |
| | 09:54 AM | 4.4 | 134 | | | 09:20 AM | 3.9 | 119 | | | 10:16 AM | 3.9 | 119 | | | 09:45 AM | 3.9 | 119 | | | 11:18 AM | 3.4 | 104 | | | 11:18 AM | 4.1 | 125 |
| | 04:06 PM | -0.5 | -15 | | | 03:29 PM | -0.2 | -6 | | | 04:20 PM | 0.0 | 0 | | | 03:51 PM | -0.2 | -6 | | | 05:14 PM | 0.6 | 18 | | | 05:26 PM | -0.2 | -6 |
| | 10:14 PM | 4.7 | 143 | | | 09:42 PM | 4.7 | 143 | | | 10:29 PM | 4.6 | 140 | | | 10:07 PM | 5.1 | 155 | | | 11:22 PM | 4.2 | 128 | | | 11:37 PM | 5.0 | 152 |
| 2 W | 04:44 AM | -0.5 | -15 | | 17 Th | 04:11 AM | -0.3 | -9 | | 2 F | 05:09 AM | 0.0 | 0 | | 17 Sa | 04:44 AM | -0.4 | -12 | | 2 M | 06:09 AM | 0.4 | 12 | | 17 Tu | 06:13 AM | -0.5 | -15 |
| | 10:39 AM | 4.1 | 125 | | | 10:01 AM | 3.9 | 119 | | | 11:00 AM | 3.6 | 110 | | | 10:34 AM | 3.8 | 116 | | | 12:02 PM | 3.3 | 101 | | | 12:16 PM | 4.1 | 125 |
| | 04:50 PM | -0.3 | -9 | | | 04:10 PM | -0.1 | -3 | | | 05:02 PM | 0.3 | 9 | | | 04:41 PM | -0.2 | -6 | | | 05:57 PM | 0.7 | 21 | | | 06:26 PM | 0.0 | 0 |
| | 10:57 PM | 4.5 | 137 | | | 10:23 PM | 4.7 | 143 | | | 11:10 PM | 4.4 | 134 | | | 10:56 PM | 5.0 | 152 | | | | | | | | | | |
| 3 Th | 05:33 AM | -0.2 | -6 | | 18 F | 04:57 AM | -0.2 | -6 | | 3 Sa | 05:55 AM | 0.2 | 6 | | 18 Su | 05:35 AM | -0.3 | -9 | | 3 Tu | 12:03 AM | 4.0 | 122 | | 18 W | 12:33 AM | 4.7 | 143 |
| | 11:25 AM | 3.8 | 116 | | | 10:45 AM | 3.8 | 116 | | | 11:45 AM | 3.4 | 104 | | | 11:28 AM | 3.8 | 116 | | | 06:51 AM | 0.5 | 15 | | | 07:08 AM | -0.4 | -12 |
| | 05:34 PM | 0.0 | 0 | | | 04:55 PM | -0.1 | -3 | | | 05:45 PM | 0.5 | 15 | | | 05:36 PM | 0.0 | 0 | | | 12:49 PM | 3.3 | 101 | | | 01:17 PM | 4.1 | 125 |
| | 11:42 PM | 4.3 | 131 | | | 11:09 PM | 4.7 | 143 | | | 11:53 PM | 4.1 | 125 | | | 11:49 PM | 4.8 | 146 | | | 06:44 PM | 0.9 | 27 | | | 07:30 PM | 0.2 | 6 |
| 4 F | 06:22 AM | 0.1 | 3 | | 19 Sa | 05:47 AM | -0.1 | -3 | | 4 Su | 06:42 AM | 0.4 | 12 | | 19 M | 06:30 AM | -0.3 | -9 | | 4 W | 12:47 AM | 3.8 | 116 | | 19 Th | 01:33 AM | 4.4 | 134 |
| | 12:12 PM | 3.5 | 107 | | | 11:34 AM | 3.6 | 110 | | | 12:33 PM | 3.3 | 101 | | | 12:27 PM | 3.7 | 113 | | | 07:34 AM | 0.6 | 18 | | | 08:04 AM | -0.2 | -6 |
| | 06:20 PM | 0.3 | 9 | | | 05:45 PM | 0.1 | 3 | | | 06:31 PM | 0.8 | 24 | | | 06:36 PM | 0.1 | 3 | | | 01:38 PM | 3.3 | 101 | | | 02:20 PM | 4.1 | 125 |
| | | | | | | | | | | | | | | | | | | | | | 07:36 PM | 1.0 | 30 | | | 08:36 PM | 0.3 | 9 |
| 5 Sa | 12:29 AM | 4.0 | 122 | | 20 Su | 12:00 AM | 4.6 | 140 | | 5 M | 12:39 AM | 3.9 | 119 | | 20 Tu | 12:47 AM | 4.6 | 140 | | 5 Th | 01:34 AM | 3.6 | 110 | | 20 F | 02:35 AM | 4.1 | 125 |
| | 07:14 AM | 0.4 | 12 | | | 06:41 AM | 0.0 | 0 | | | 07:31 AM | 0.6 | 18 | | | 07:27 AM | -0.2 | -6 | | | 08:18 AM | 0.7 | 21 | | | 09:02 AM | -0.1 | -3 |
| | 01:04 PM | 3.2 | 98 | | | 12:30 PM | 3.5 | 107 | | | 01:25 PM | 3.1 | 94 | | | 01:31 PM | 3.7 | 113 | | | 12:31 PM | 3.3 | 101 | | | 03:23 PM | 4.2 | 128 |
| | 07:09 PM | 0.6 | 18 | | | 06:43 PM | 0.2 | 6 | | | 07:23 PM | 0.9 | 27 | | | 07:41 PM | 0.3 | 9 | | | 08:32 PM | 1.1 | 34 | | | 09:43 PM | 0.4 | 12 |
| 6 Su | 01:20 AM | 3.8 | 116 | | 21 M | 12:58 AM | 4.4 | 134 | | 6 Tu | 01:30 AM | 3.7 | 113 | | 21 W | 01:50 AM | 4.4 | 134 | | 6 Th | 02:26 AM | 3.5 | 107 | | 21 Sa | 03:39 AM | 3.9 | 119 |
| | 08:10 AM | 0.6 | 18 | | | 07:42 AM | 0.1 | 3 | | | 08:21 AM | 0.7 | 21 | | | 09:27 AM | -0.1 | -3 | | | 09:04 AM | 0.7 | 21 | | | 09:59 AM | 0.0 | 0 |
| | 02:01 PM | 3.0 | 91 | | | 01:36 PM | 3.5 | 107 | | | 02:21 PM | 3.1 | 94 | | | 02:38 PM | 3.8 | 116 | | | 03:23 PM | 3.5 | 107 | | | 04:24 PM | 4.3 | 131 |
| | 08:04 PM | 0.8 | 24 | | | 07:49 PM | 0.3 | 9 | | | 08:19 PM | 1.0 | 30 | | | 08:50 PM | 0.4 | 12 | | | 09:31 PM | 1.0 | 30 | | | 10:48 PM | 0.4 | 12 |
| 7 Mo | 02:18 AM | 3.6 | 110 | | 22 Tu | 02:04 AM | 4.3 | 131 | | 7 W | 02:25 AM | 3.6 | 110 | | 22 Th | 02:56 AM | 4.2 | 128 | | 7 Sa | 03:21 AM | 3.4 | 104 | | 22 Su | 04:41 AM | 3.7 | 113 |
| | 09:08 AM | 0.8 | 24 | | | 08:45 AM | 0.1 | 3 | | | 09:13 AM | 0.8 | 24 | | | 09:27 AM | -0.1 | -3 | | | 09:51 AM | 0.6 | 18 | | | 10:54 AM | 0.0 | 0 |
| | 03:03 PM | 3.0 | 91 | | | 02:48 PM | 3.5 | 107 | | | 03:19 PM | 3.2 | 98 | | | 03:44 PM | 4.0 | 122 | | | 04:15 PM | 3.7 | 113 | | | 05:21 PM | 4.4 | 134 |
| | 09:04 PM | 0.9 | 27 | | | 09:00 PM | 0.4 | 12 | | | 03:19 PM | 1.1 | 34 | | | 09:59 PM | 0.3 | 9 | | | 10:29 PM | 0.9 | 27 | | | 11:48 PM | 0.3 | 9 |
| 8 Tu | 03:19 AM | 3.5 | 107 | | 23 W | 03:14 AM | 4.2 | 128 | | 8 Th | 03:23 AM | 3.5 | 107 | | 23 F | 04:01 AM | 4.1 | 125 | | 8 Su | 04:18 AM | 3.4 | 104 | | 23 M | 05:39 AM | 3.6 | 110 |
| | 10:05 AM | 0.8 | 24 | | | 09:49 AM | 0.0 | 0 | | | 10:02 AM | 0.7 | 21 | | | 10:25 AM | -0.1 | -3 | | | 10:39 AM | 0.5 | 15 | | | 11:47 AM | 0.1 | 3 |
| | 04:04 PM | 3.0 | 91 | | | 03:58 PM | 3.7 | 113 | | | 04:14 PM | 3.3 | 101 | | | 04:45 PM | 4.2 | 128 | | | 05:05 PM | 4.0 | 122 | | | 06:12 PM | 4.5 | 137 |
| | 10:05 PM | 0.9 | 27 | | | 10:11 PM | 0.3 | 9 | | | 10:18 PM | 1.0 | 30 | | | 11:04 PM | 0.2 | 6 | | | 11:25 PM | 0.7 | 21 | | | | | |
| 9 W | 04:18 AM | 3.5 | 107 | | 24 Th | 04:21 AM | 4.2 | 128 | | 9 F | 04:19 AM | 3.5 | 107 | | 24 Sa | 05:03 AM | 4.0 | 122 | | 9 M | 05:13 AM | 3.4 | 104 | | 24 Tu | 12:42 AM | 0.2 | 6 |
| | 10:57 AM | 0.7 | 21 | | | 10:49 AM | -0.1 | -3 | | | 10:49 AM | 0.6 | 18 | | | 11:20 AM | -0.1 | -3 | | | 11:27 AM | 0.3 | 9 | | | 06:32 AM | 3.6 | 110 |
| | 04:59 PM | 3.2 | 98 | | | 05:02 PM | 4.0 | 122 | | | 05:04 PM | 3.6 | 110 | | | 05:41 PM | 4.4 | 134 | | | 05:53 PM | 4.3 | 131 | | | 12:36 PM | 0.1 | 3 |
| | 11:02 PM | 0.8 | 24 | | | 11:17 PM | 0.1 | 3 | | | 11:13 PM | 0.8 | 24 | | | | | | | | | | | | | 06:59 PM | 4.6 | 140 |
| 10 Th | 05:12 AM | 3.6 | 110 | | 25 F | 05:24 AM | 4.3 | 131 | | 10 Sa | 05:11 AM | 3.5 | 107 | | 25 Su | 12:04 AM | 0.1 | 3 | | 10 Tu | 12:18 AM | 0.4 | 12 | | 25 W | 01:32 AM | 0.1 | 3 |
| | 11:44 AM | 0.6 | 18 | | | 11:45 AM | -0.2 | -6 | | | 11:33 AM | 0.5 | 15 | | | 06:00 AM | 3.9 | 119 | | | 06:06 AM | 3.5 | 107 | | | 07:21 AM | 3.6 | 110 |
| | 05:47 PM | 3.4 | 104 | | | 06:00 PM | 4.3 | 131 | | | 05:50 PM | 3.9 | 119 | | | 12:11 PM | -0.2 | -6 | | | 12:15 PM | 0.1 | 3 | | | 01:22 PM | 0.1 | 3 |
| | 11:53 PM | 0.6 | 18 | | | | | | | | | | | | 06:32 PM | 4.6 | 140 | | | 06:40 PM | 4.6 | 140 | | | 07:42 PM | 4.6 | 140 | |
| 11 F | 06:00 AM | 3.7 | 113 | | 26 Sa | 12:17 AM | -0.1 | -3 | | 11 Su | 12:03 AM | 0.6 | 18 | | 26 M | 12:58 AM | 0.0 | 0 | | 11 W | 01:09 AM | 0.1 | 3 | | 26 Th | 02:18 AM | 0.1 | 3 |
| | 12:25 PM | 0.4 | 12 | | | 06:20 AM | 4.3 | 131 | | | 06:00 AM | 3.6 | 110 | | | 06:52 AM | 3.9 | 119 | | | 06:57 AM | 3.7 | 113 | | | 08:06 AM | 3.6 | 110 |
| | 06:31 PM | 3.7 | 113 | | | 12:37 PM | -0.4 | -12 | | | 12:14 PM | 0.3 | 9 | | | 01:00 PM | -0.2 | -6 | | | 01:03 PM | -0.1 | -3 | | | 02:06 PM | 0.2 | 6 |
| | | | | | | 06:51 PM | 4.6 | 140 | | | 06:32 PM | 4.2 | 128 | | | 07:19 PM | 4.7 | 143 | | | 07:27 PM | 4.9 | 149 | | | 08:23 PM | 4.6 | 140 |
| 12 Sa | 12:39 AM | 0.4 | 12 | | 27 Su | 01:13 AM | -0.3 | -9 | | 12 M | 12:51 AM | 0.3 | 9 | | 27 Tu | 01:49 AM | -0.1 | -3 | | 12 Th | 01:59 AM | -0.2 | -6 | | 27 F | 03:01 AM | 0.1 | 3 |
| | 06:44 AM | 3.8 | 116 | | | 07:12 AM | 4.3 | 131 | | | 06:45 AM | 3.7 | 113 | | | 07:41 AM | 3.9 | 119 | | | 07:48 AM | 3.8 | 116 | | | 08:49 AM | 3.6 | 110 |
| | 01:03 PM | 0.2 | 6 | | | 01:25 PM | -0.5 | -15 | | | 12:55 PM | 0.1 | 3 | | | 01:46 PM | -0.1 | -3 | | | 01:53 PM | -0.3 | -9 | | | 02:47 PM | 0.2 | 6 |
| | 07:11 PM | 4.0 | 122 | | | 07:39 PM | 4.8 | 146 | | | 07:14 PM | 4.5 | 137 | | | 08:03 PM | 4.8 | 146 | | | 08:14 PM | 5.2 | 158 | | | 09:02 PM | 4.6 | 140 |
| 13 Su | 01:23 AM | 0.2 | 6 | | 28 M | 02:04 AM | -0.4 | -1 | | | | | | | | | | | | | | | | | | | | |

| October | | | | | November | | | | | December | | | | | | | | | |
|--------------------|------------|------|------|----------------|-----------------|------------|--------|-----|-----------------|-----------------|------------|------|----------|----------------|-----------------|------------|------|-----|--|
| Time | Height | | Time | Height | | Time | Height | | Time | Height | | Time | Height | | | | | | |
| | h | m | ft | cm | | h | m | ft | cm | | h | m | ft | cm | | | | | |
| 1 W ☉ | 01:06 AM | 3.5 | 107 | | 16 Th | 02:52 AM | 3.3 | 101 | | 1 M | 03:12 AM | 4.0 | 122 | | | | | | |
| | 07:23 AM | 0.7 | 21 | | | 08:53 AM | 1.1 | 34 | | | 09:30 AM | 0.2 | 6 | | 16 Tu | | | | |
| | 01:44 PM | 4.4 | 134 | | | 03:07 PM | 3.9 | 119 | | | 03:29 PM | 3.9 | 119 | | | 03:03 AM | 3.4 | 104 | |
| | 08:29 PM | 0.7 | 21 | | | 09:52 PM | 0.9 | 27 | | | 09:49 PM | -0.3 | -9 | | | 09:16 AM | 0.8 | 24 | |
| | | | | | | | | | | | | | 03:04 PM | 3.1 | | 94 | | | |
| | | | | | | | | | | | | | | | 09:26 PM | 0.4 | 12 | | |
| 2 Th | 02:17 AM | 3.5 | 107 | | 17 F | 03:52 AM | 3.3 | 101 | | 2 Tu | 04:11 AM | 4.3 | 131 | | 17 W | 03:53 AM | 3.6 | 110 | |
| | 08:33 AM | 0.7 | 21 | | | 09:53 AM | 1.1 | 34 | | | 10:33 AM | 0.0 | 0 | | | 10:12 AM | 0.6 | 18 | |
| | 02:54 PM | 4.4 | 134 | | | 04:05 PM | 3.8 | 116 | | | 04:29 PM | 3.9 | 119 | | | 03:59 PM | 3.1 | 94 | |
| | 09:35 PM | 0.6 | 18 | | | 10:44 PM | 0.9 | 27 | | | 10:43 PM | -0.4 | -12 | | | 10:13 PM | 0.2 | 6 | |
| 3 F | 03:32 AM | 3.6 | 110 | | 18 Sa | 04:46 AM | 3.5 | 107 | | 3 M | 05:05 AM | 4.5 | 137 | | 18 Th | 04:40 AM | 3.9 | 119 | |
| | 09:45 AM | 0.6 | 18 | | | 10:49 AM | 1.0 | 30 | | | 11:30 AM | -0.2 | -6 | | | 11:03 AM | 0.3 | 9 | |
| | 04:03 PM | 4.5 | 137 | | | 04:57 PM | 3.9 | 119 | | | 05:24 PM | 3.9 | 119 | | | 04:51 PM | 3.2 | 98 | |
| | 10:38 PM | 0.3 | 9 | | | 11:30 PM | 0.8 | 24 | | | 11:33 PM | -0.4 | -12 | | | 10:59 PM | 0.0 | 0 | |
| 4 Sa | 04:41 AM | 3.9 | 119 | | 19 Su | 05:33 AM | 3.7 | 113 | | 4 Th | 05:54 AM | 4.7 | 143 | | 19 F | 05:26 AM | 4.2 | 128 | |
| | 10:53 AM | 0.3 | 9 | | | 11:40 AM | 0.9 | 27 | | | 12:23 PM | -0.3 | -9 | | | 11:52 AM | 0.1 | 3 | |
| | 05:07 PM | 4.7 | 143 | | | 05:44 PM | 3.9 | 119 | | | 06:16 PM | 3.8 | 116 | | | 05:40 PM | 3.3 | 101 | |
| | 11:35 PM | 0.0 | 0 | | | | | | | | | | | | | 11:46 PM | -0.2 | -6 | |
| 5 Su | 05:42 AM | 4.3 | 131 | | 20 M | 12:10 AM | 0.6 | 18 | | 5 F | 12:22 AM | -0.5 | -15 | | 20 Sa | 06:10 AM | 4.5 | 137 | |
| | 11:55 AM | 0.0 | 0 | | | 06:16 AM | 3.9 | 119 | | | 06:41 AM | 4.8 | 146 | | | 12:39 PM | -0.2 | -6 | |
| | 06:05 PM | 4.9 | 149 | | | 12:25 PM | 0.7 | 21 | | | 01:13 PM | -0.4 | -12 | | | 06:28 PM | 3.4 | 104 | |
| | | | | | | 06:27 PM | 4.0 | 122 | | | 07:04 PM | 3.8 | 116 | | | | | | |
| 6 M | 12:28 AM | -0.2 | -6 | | 21 Tu | 12:47 AM | 0.5 | 15 | | 6 Sa | 01:08 AM | -0.4 | -12 | | 21 Su | 12:32 AM | -0.4 | -12 | |
| | 06:36 AM | 4.7 | 143 | | | 06:56 AM | 4.2 | 128 | | | 07:25 AM | 4.8 | 146 | | | 06:55 AM | 4.7 | 143 | |
| | 12:53 PM | -0.2 | -6 | | | 01:08 PM | 0.5 | 15 | | | 01:59 PM | -0.4 | -12 | | | 01:26 PM | -0.5 | -15 | |
| | 06:59 PM | 5.0 | 152 | | | 07:07 PM | 4.1 | 125 | | | 07:49 PM | 3.7 | 113 | | | 07:15 PM | 3.6 | 110 | |
| 7 Tu | 01:19 AM | -0.5 | -15 | | 22 W | 01:23 AM | 0.3 | 9 | | 7 Su | 01:52 AM | -0.3 | -9 | | 22 M | 01:20 AM | -0.6 | -18 | |
| | 07:27 AM | 5.0 | 152 | | | 07:33 AM | 4.4 | 134 | | | 08:07 AM | 4.7 | 143 | | | 07:40 AM | 4.9 | 149 | |
| | 01:48 PM | -0.4 | -12 | | | 01:49 PM | 0.3 | 9 | | | 02:44 PM | -0.4 | -12 | | | 02:13 PM | -0.6 | -18 | |
| | 07:50 PM | 5.0 | 152 | | | 07:45 PM | 4.1 | 125 | | | 08:33 PM | 3.6 | 110 | | | ☉ 08:03 AM | 3.7 | 113 | |
| 8 W | 02:07 AM | -0.6 | -18 | | 23 Th | 01:57 AM | 0.2 | 6 | | 8 Sa | 02:35 AM | -0.2 | -6 | | 8 M | 02:09 AM | -0.6 | -18 | |
| | 08:16 AM | 5.2 | 158 | | | 08:10 AM | 4.6 | 140 | | | 08:47 AM | 4.6 | 140 | | | 08:26 AM | 5.0 | 152 | |
| | 02:40 PM | -0.5 | -15 | | | 08:29 PM | 0.2 | 6 | | | 03:28 PM | -0.2 | -6 | | | 03:01 PM | -0.8 | -24 | |
| | ☉ 08:39 PM | 4.9 | 149 | | | ☉ 02:22 PM | 4.0 | 122 | | | 09:17 PM | 3.5 | 107 | | | 08:52 PM | 3.7 | 113 | |
| 9 Th | 02:53 AM | -0.5 | -15 | | 24 F | 02:32 AM | 0.2 | 6 | | 9 Su | 03:17 AM | 0.0 | 0 | | 24 W | 02:59 AM | -0.6 | -18 | |
| | 09:03 AM | 5.3 | 162 | | | 08:46 AM | 4.7 | 143 | | | 09:28 AM | 4.4 | 134 | | | 09:15 AM | 4.9 | 149 | |
| | 03:31 PM | -0.5 | -15 | | | 03:09 PM | 0.1 | 3 | | | 04:11 PM | -0.1 | -3 | | | 03:50 PM | -0.8 | -24 | |
| | 09:27 PM | 4.7 | 143 | | | 09:00 PM | 4.0 | 122 | | | 10:00 PM | 3.4 | 104 | | | 09:44 PM | 3.8 | 116 | |
| 10 F | 03:40 AM | -0.4 | -12 | | 25 Sa | 03:07 AM | 0.1 | 3 | | 10 M | 03:11 AM | -0.2 | -6 | | 10 W | 03:53 AM | -0.5 | -15 | |
| | 09:50 AM | 5.2 | 158 | | | 09:22 AM | 4.8 | 146 | | | 09:28 AM | 4.9 | 149 | | | 10:05 AM | 4.8 | 146 | |
| | 04:21 PM | -0.3 | -9 | | | 03:50 PM | 0.1 | 3 | | | 04:06 PM | -0.3 | -9 | | | 04:40 PM | -0.7 | -21 | |
| | 10:15 PM | 4.5 | 137 | | | 09:38 PM | 3.9 | 119 | | | 09:55 PM | 3.6 | 110 | | | 10:39 PM | 3.8 | 116 | |
| 11 Sa | 04:26 AM | -0.2 | -6 | | 26 Su | 03:46 AM | 0.1 | 3 | | 11 Th | 04:03 AM | -0.1 | -3 | | 11 Th | 04:50 AM | -0.4 | -12 | |
| | 10:37 AM | 5.0 | 152 | | | 10:01 AM | 4.8 | 146 | | | 10:18 AM | 4.7 | 143 | | | 10:58 AM | 4.5 | 137 | |
| | 05:12 PM | -0.1 | -3 | | | 04:33 PM | 0.1 | 3 | | | 04:58 PM | -0.2 | -6 | | | 05:33 PM | -0.7 | -21 | |
| | 11:04 PM | 4.1 | 125 | | | 10:19 PM | 3.8 | 116 | | | 10:50 PM | 3.6 | 110 | | | 11:37 PM | 3.8 | 116 | |
| 12 Su | 05:13 AM | 0.1 | 3 | | 27 M | 04:27 AM | 0.2 | 6 | | 12 W | 04:43 AM | 0.4 | 12 | | 12 F | 04:50 AM | -0.4 | -12 | |
| | 11:24 AM | 4.8 | 146 | | | 10:43 AM | 4.7 | 143 | | | 10:48 AM | 4.2 | 128 | | | 05:52 AM | -0.2 | -6 | |
| | 06:04 PM | 0.2 | 6 | | | 05:21 PM | 0.2 | 6 | | | 04:54 PM | 0.1 | 3 | | | 11:56 AM | 4.2 | 128 | |
| | 11:55 PM | 3.8 | 116 | | | 11:05 PM | 3.7 | 113 | | | 11:52 PM | 3.6 | 110 | | | 06:29 PM | -0.5 | -15 | |
| 13 M | 06:02 AM | 0.5 | 15 | | 28 Tu | 05:15 AM | 0.3 | 9 | | 13 Th | 06:03 AM | 0.2 | 6 | | 13 Sa | 12:40 AM | 3.8 | 116 | |
| | 12:14 PM | 4.5 | 137 | | | 11:31 AM | 4.6 | 140 | | | 12:13 PM | 4.3 | 131 | | | 06:58 AM | 0.0 | 0 | |
| | 06:59 PM | 0.5 | 15 | | | 06:13 PM | 0.3 | 9 | | | 06:52 PM | -0.2 | -6 | | | 12:58 PM | 3.9 | 119 | |
| | | | | | | 11:58 PM | 3.6 | 110 | | | 07:06 PM | 0.5 | 15 | | | ☉ 07:27 PM | -0.4 | -12 | |
| 14 Tu | 12:50 AM | 3.6 | 110 | | 29 W | 06:09 AM | 0.4 | 12 | | 14 Su | 01:15 AM | 3.1 | 94 | | 14 M | 01:46 AM | 3.8 | 116 | |
| | 06:55 AM | 0.8 | 24 | | | 12:25 PM | 4.5 | 137 | | | 07:18 AM | 0.9 | 27 | | | 08:07 AM | 0.1 | 3 | |
| | 01:08 PM | 4.2 | 128 | | | 07:10 PM | 0.3 | 9 | | | 01:12 PM | 3.3 | 101 | | | 02:03 PM | 3.6 | 110 | |
| | 07:57 PM | 0.8 | 24 | | | | | | | | ☉ 07:52 PM | 0.5 | 15 | | | 08:26 PM | -0.3 | -9 | |
| 15 W | 01:49 AM | 3.4 | 104 | | 30 Th | 01:00 AM | 3.5 | 107 | | 15 Su | 02:09 AM | 3.2 | 98 | | 15 M | 02:51 AM | 3.9 | 119 | |
| | 07:52 AM | 1.0 | 30 | | | 07:12 AM | 0.6 | 18 | | | 08:23 AM | 0.3 | 9 | | | 09:15 AM | 0.1 | 3 | |
| | 02:06 PM | 4.0 | 122 | | | 01:28 PM | 4.4 | 134 | | | 02:25 PM | 4.0 | 122 | | | 03:09 PM | 3.5 | 107 | |
| | ☉ 08:56 PM | 0.9 | 27 | | | 08:12 PM | 0.3 | 9 | | | 08:52 PM | -0.2 | -6 | | | 09:25 PM | -0.3 | -9 | |
| | | | | 31 F | 02:11 AM | 3.6 | 110 | | 16 Sa | 02:07 AM | 3.8 | 116 | | 16 M | 03:52 AM | 4.1 | 125 | | |
| | | | | | 08:23 AM | 0.6 | 18 | | | 08:23 AM | 0.3 | 9 | | | 10:19 AM | 0.0 | 0 | | |
| | | | | | 02:36 PM | 4.3 | 131 | | | 08:39 PM | 3.1 | 94 | | | 04:12 PM | 3.4 | 104 | | |
| | | | | | ☉ 09:15 PM | 0.2 | 6 | | | | | | | | 10:21 PM | -0.3 | -9 | | |