

## Avalon, Santa Catalina Island, CA - Jul 1852

| Date |     | High  |     |       |     | Low   |      |          |     |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|----------|-----|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM       | ft  | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Thu | 9:42  | 3.8 | 8:34  | 6.8 | 3:15  | -1.3 | 2:10     | 2.1 | 4:54                                                                                | 7:13 |    |
| 2    | Fri | 10:31 | 3.8 | 9:13  | 6.5 | 3:57  | -1.3 | 2:54     | 2.3 | 4:54                                                                                | 7:13 |    |
| 3    | Sat | 11:19 | 3.8 | 9:53  | 6.1 | 4:38  | -1.0 | 3:38     | 2.4 | 4:55                                                                                | 7:13 |    |
| 4    | Sun |       |     | 12:08 | 3.8 | 5:18  | -0.7 | 4:24     | 2.6 | 4:55                                                                                | 7:13 |    |
| 5    | Mon |       |     | 12:57 | 3.8 | 5:57  | -0.3 | 5:15     | 2.8 | 4:56                                                                                | 7:13 |    |
| 6    | Tue |       |     | 1:47  | 3.9 | 6:36  | 0.2  | 6:22     | 2.9 | 4:56                                                                                | 7:13 |    |
| 7    | Wed |       |     | 2:35  | 4.1 | 7:16  | 0.6  | 7:57     | 2.9 | 4:57                                                                                | 7:12 |    |
| 8    | Thu | 12:58 | 3.8 | 3:21  | 4.3 | 7:58  | 1.0  | 9:48     | 2.6 | 4:57                                                                                | 7:12 |    |
| 9    | Fri | 2:22  | 3.3 | 4:03  | 4.6 | 8:44  | 1.4  | 11:04    | 2.0 | 4:58                                                                                | 7:12 |    |
| 10   | Sat | 4:03  | 3.0 | 4:42  | 4.9 | 9:32  | 1.7  | 11:56    | 1.5 | 4:58                                                                                | 7:12 |    |
| 11   | Sun | 5:31  | 3.0 | 5:19  | 5.2 | 10:20 | 2.0  |          |     | 4:59                                                                                | 7:11 |    |
| 12   | Mon | 6:38  | 3.2 | 5:55  | 5.5 | 12:38 | 0.9  | 11:06 AM | 2.1 | 4:59                                                                                | 7:11 |    |
| 13   | Tue | 7:28  | 3.3 | 6:29  | 5.8 | 1:15  | 0.4  | 11:50 AM | 2.2 | 5:00                                                                                | 7:11 |   |
| 14   | Wed | 8:11  | 3.5 | 7:04  | 6.1 | 1:50  | -0.1 | 12:32    | 2.3 | 5:01                                                                                | 7:10 |  |
| 15   | Thu | 8:50  | 3.7 | 7:39  | 6.3 | 2:24  | -0.5 | 1:12     | 2.3 | 5:01                                                                                | 7:10 |  |
| 16   | Fri | 9:27  | 3.8 | 8:14  | 6.5 | 2:59  | -0.7 | 1:52     | 2.3 | 5:02                                                                                | 7:09 |  |
| 17   | Sat | 10:06 | 3.9 | 8:51  | 6.5 | 3:34  | -0.9 | 2:34     | 2.3 | 5:02                                                                                | 7:09 |  |
| 18   | Sun | 10:45 | 4.0 | 9:30  | 6.3 | 4:09  | -0.9 | 3:17     | 2.3 | 5:03                                                                                | 7:09 |  |
| 19   | Mon | 11:26 | 4.1 | 10:13 | 6.0 | 4:46  | -0.8 | 4:06     | 2.3 | 5:04                                                                                | 7:08 |  |
| 20   | Tue |       |     | 12:09 | 4.2 | 5:24  | -0.5 | 5:03     | 2.3 | 5:04                                                                                | 7:07 |  |
| 21   | Wed |       |     | 12:55 | 4.5 | 6:04  | -0.1 | 6:12     | 2.3 | 5:05                                                                                | 7:07 |  |
| 22   | Thu |       |     | 1:45  | 4.7 | 6:47  | 0.4  | 7:40     | 2.2 | 5:06                                                                                | 7:06 |  |
| 23   | Fri | 1:12  | 4.0 | 2:39  | 5.1 | 7:35  | 0.9  | 9:23     | 1.7 | 5:06                                                                                | 7:06 |  |
| 24   | Sat | 2:50  | 3.4 | 3:35  | 5.4 | 8:31  | 1.4  | 10:51    | 1.1 | 5:07                                                                                | 7:05 |  |
| 25   | Sun | 4:38  | 3.2 | 4:32  | 5.8 | 9:34  | 1.8  | 11:57    | 0.4 | 5:08                                                                                | 7:04 |  |
| 26   | Mon | 6:08  | 3.3 | 5:25  | 6.2 | 10:38 | 2.1  |          |     | 5:08                                                                                | 7:04 |  |
| 27   | Tue | 7:14  | 3.6 | 6:15  | 6.5 | 12:52 | -0.3 | 11:39 AM | 2.2 | 5:09                                                                                | 7:03 |  |
| 28   | Wed | 8:05  | 3.8 | 7:01  | 6.7 | 1:39  | -0.7 | 12:34    | 2.2 | 5:10                                                                                | 7:02 |  |
| 29   | Thu | 8:48  | 4.0 | 7:44  | 6.7 | 2:22  | -0.9 | 1:23     | 2.2 | 5:10                                                                                | 7:02 |  |
| 30   | Fri | 9:27  | 4.1 | 8:25  | 6.6 | 3:02  | -1.0 | 2:08     | 2.2 | 5:11                                                                                | 7:01 |  |
| 31   | Sat | 10:04 | 4.1 | 9:02  | 6.3 | 3:38  | -0.9 | 2:49     | 2.2 | 5:12                                                                                | 7:00 |  |