

## Kukak, Kukak Bay, AK - Dec 1859

| Date |     | High  |      |          |      | Low   |     |       |      |  |      |    |
|------|-----|-------|------|----------|------|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft   | PM       | ft   | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Thu | 7:03  | 11.0 | 6:33     | 10.2 | 12:25 | 2.3 | 1:01  | 5.3  | 8:37                                                                                | 3:34 |    |
| 2    | Fri | 7:56  | 10.8 | 7:45     | 9.5  | 1:17  | 3.2 | 2:11  | 5.2  | 8:39                                                                                | 3:32 |    |
| 3    | Sat | 8:50  | 11.0 | 9:06     | 9.3  | 2:15  | 3.9 | 3:24  | 4.6  | 8:41                                                                                | 3:31 |    |
| 4    | Sun | 9:39  | 11.4 | 10:20    | 9.7  | 3:16  | 4.3 | 4:27  | 3.6  | 8:43                                                                                | 3:30 |    |
| 5    | Mon | 10:23 | 12.1 | 11:20    | 10.5 | 4:15  | 4.5 | 5:18  | 2.4  | 8:44                                                                                | 3:29 |    |
| 6    | Tue | 11:04 | 12.8 |          |      | 5:08  | 4.4 | 6:01  | 1.2  | 8:46                                                                                | 3:29 |    |
| 7    | Wed | 12:11 | 11.3 | 11:44 AM | 13.6 | 5:55  | 4.2 | 6:42  | 0.0  | 8:48                                                                                | 3:28 |    |
| 8    | Thu | 12:57 | 12.2 | 12:25    | 14.4 | 6:40  | 3.8 | 7:22  | -1.1 | 8:49                                                                                | 3:27 |    |
| 9    | Fri | 1:41  | 12.9 | 1:07     | 15.1 | 7:24  | 3.4 | 8:03  | -2.0 | 8:51                                                                                | 3:27 |    |
| 10   | Sat | 2:24  | 13.5 | 1:51     | 15.6 | 8:07  | 3.0 | 8:45  | -2.6 | 8:52                                                                                | 3:26 |    |
| 11   | Sun | 3:07  | 13.9 | 2:36     | 15.7 | 8:51  | 2.8 | 9:27  | -2.7 | 8:53                                                                                | 3:26 |    |
| 12   | Mon | 3:51  | 14.0 | 3:22     | 15.5 | 9:37  | 2.6 | 10:12 | -2.5 | 8:55                                                                                | 3:25 |   |
| 13   | Tue | 4:36  | 13.9 | 4:12     | 14.9 | 10:25 | 2.7 | 10:58 | -1.8 | 8:56                                                                                | 3:25 |  |
| 14   | Wed | 5:24  | 13.7 | 5:05     | 13.9 | 11:19 | 2.8 | 11:48 | -0.8 | 8:57                                                                                | 3:25 |  |
| 15   | Thu | 6:14  | 13.4 | 6:06     | 12.6 |       |     | 12:18 | 2.9  | 8:58                                                                                | 3:24 |  |
| 16   | Fri | 7:07  | 13.2 | 7:16     | 11.5 | 12:41 | 0.5 | 1:26  | 2.9  | 8:59                                                                                | 3:24 |  |
| 17   | Sat | 8:04  | 13.1 | 8:38     | 10.8 | 1:39  | 1.8 | 2:40  | 2.6  | 9:00                                                                                | 3:24 |  |
| 18   | Sun | 9:04  | 13.2 | 10:02    | 10.7 | 2:42  | 2.9 | 3:56  | 1.9  | 9:01                                                                                | 3:24 |  |
| 19   | Mon | 10:02 | 13.4 | 11:17    | 11.1 | 3:50  | 3.7 | 5:04  | 1.0  | 9:02                                                                                | 3:25 |  |
| 20   | Tue | 10:57 | 13.7 |          |      | 4:56  | 4.1 | 6:01  | 0.1  | 9:03                                                                                | 3:25 |  |
| 21   | Wed | 12:19 | 11.8 | 11:48 AM | 14.0 | 5:55  | 4.2 | 6:50  | -0.6 | 9:03                                                                                | 3:25 |  |
| 22   | Thu | 1:11  | 12.4 | 12:35    | 14.2 | 6:46  | 4.0 | 7:33  | -1.1 | 9:04                                                                                | 3:26 |  |
| 23   | Fri | 1:56  | 12.9 | 1:18     | 14.4 | 7:32  | 3.7 | 8:13  | -1.4 | 9:04                                                                                | 3:26 |  |
| 24   | Sat | 2:36  | 13.2 | 1:59     | 14.5 | 8:14  | 3.4 | 8:50  | -1.4 | 9:05                                                                                | 3:27 |  |
| 25   | Sun | 3:13  | 13.4 | 2:38     | 14.4 | 8:53  | 3.2 | 9:26  | -1.3 | 9:05                                                                                | 3:27 |  |
| 26   | Mon | 3:48  | 13.3 | 3:15     | 14.0 | 9:32  | 3.1 | 10:00 | -0.9 | 9:05                                                                                | 3:28 |  |
| 27   | Tue | 4:23  | 13.1 | 3:52     | 13.5 | 10:10 | 3.2 | 10:34 | -0.3 | 9:06                                                                                | 3:29 |  |
| 28   | Wed | 4:56  | 12.8 | 4:29     | 12.8 | 10:49 | 3.4 | 11:08 | 0.5  | 9:06                                                                                | 3:30 |  |
| 29   | Thu | 5:30  | 12.5 | 5:09     | 11.8 | 11:30 | 3.7 | 11:43 | 1.4  | 9:06                                                                                | 3:31 |  |
| 30   | Fri | 6:05  | 12.1 | 5:53     | 10.9 |       |     | 12:15 | 3.9  | 9:06                                                                                | 3:32 |  |
| 31   | Sat | 6:42  | 11.8 | 6:47     | 9.9  | 12:19 | 2.5 | 1:06  | 4.1  | 9:05                                                                                | 3:33 |  |