

## Kuliliak Bay, AK - Jul 1890

| Date |     | High  |     |       |     | Low   |      |          |      |  |      |    |
|------|-----|-------|-----|-------|-----|-------|------|----------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM    | ft  | AM    | ft   | PM       | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Tue |       |     | 4:25  | 4.7 | 7:10  | -1.5 | 5:17     | 4.0  | 4:44                                                                                | 9:40 |    |
| 2    | Wed |       |     | 4:56  | 5.0 | 8:02  | -1.8 | 7:00     | 4.2  | 4:44                                                                                | 9:39 |    |
| 3    | Thu | 12:51 | 6.3 | 5:31  | 5.2 | 8:56  | -1.8 | 8:42     | 4.1  | 4:45                                                                                | 9:39 |    |
| 4    | Fri | 2:02  | 6.0 | 6:08  | 5.4 | 9:49  | -1.7 | 10:11    | 3.7  | 4:46                                                                                | 9:38 |    |
| 5    | Sat | 3:19  | 5.6 | 6:45  | 5.6 | 10:44 | -1.4 | 11:37    | 3.1  | 4:47                                                                                | 9:38 |    |
| 6    | Sun | 4:37  | 5.1 | 7:23  | 5.8 | 11:39 | -1.0 |          |      | 4:48                                                                                | 9:37 |    |
| 7    | Mon | 6:05  | 4.5 | 8:00  | 5.9 | 12:53 | 2.3  | 12:32    | -0.3 | 4:49                                                                                | 9:36 |    |
| 8    | Tue | 7:39  | 4.0 | 8:38  | 6.0 | 1:58  | 1.5  | 1:24     | 0.5  | 4:50                                                                                | 9:36 |    |
| 9    | Wed | 9:16  | 3.8 | 9:15  | 5.9 | 2:59  | 0.7  | 2:15     | 1.3  | 4:51                                                                                | 9:35 |    |
| 10   | Thu | 10:54 | 3.8 | 9:51  | 5.8 | 3:57  | 0.0  | 3:09     | 2.1  | 4:52                                                                                | 9:34 |    |
| 11   | Fri |       |     | 12:25 | 4.1 | 4:50  | -0.5 | 4:06     | 2.9  | 4:53                                                                                | 9:33 |    |
| 12   | Sat |       |     | 2:01  | 4.4 | 5:38  | -0.7 | 5:06     | 3.5  | 4:55                                                                                | 9:32 |   |
| 13   | Sun |       |     | 3:30  | 4.8 | 6:24  | -0.8 | 6:08     | 3.9  | 4:56                                                                                | 9:31 |  |
| 14   | Mon |       |     | 4:40  | 5.1 | 7:08  | -0.7 | 7:39     | 4.2  | 4:57                                                                                | 9:30 |  |
| 15   | Tue |       |     | 5:45  | 5.2 | 7:50  | -0.5 | 9:43     | 4.3  | 4:59                                                                                | 9:29 |  |
| 16   | Wed |       |     | 6:36  | 5.3 | 8:30  | -0.4 |          |      | 5:00                                                                                | 9:28 |  |
| 17   | Thu |       |     | 7:09  | 5.3 | 9:07  | -0.2 |          |      | 5:01                                                                                | 9:27 |  |
| 18   | Fri |       |     | 7:26  | 5.2 | 9:44  | -0.1 |          |      | 5:03                                                                                | 9:25 |  |
| 19   | Sat |       |     | 7:33  | 5.1 | 10:21 | 0.1  |          |      | 5:04                                                                                | 9:24 |  |
| 20   | Sun |       |     | 7:40  | 4.9 | 10:59 | 0.3  |          |      | 5:05                                                                                | 9:23 |  |
| 21   | Mon | 4:05  | 3.6 | 7:51  | 4.8 | 1:56  | 3.1  | 11:37 AM | 0.6  | 5:07                                                                                | 9:21 |  |
| 22   | Tue | 5:40  | 3.2 | 8:01  | 4.7 | 2:08  | 2.6  | 12:13    | 1.0  | 5:08                                                                                | 9:20 |  |
| 23   | Wed | 7:21  | 3.0 | 8:05  | 4.7 | 2:26  | 2.0  | 12:46    | 1.4  | 5:10                                                                                | 9:19 |  |
| 24   | Thu | 8:56  | 3.0 | 8:09  | 4.8 | 2:48  | 1.4  | 1:14     | 2.0  | 5:11                                                                                | 9:17 |  |
| 25   | Fri | 10:28 | 3.2 | 8:20  | 5.0 | 3:16  | 0.8  | 1:37     | 2.5  | 5:13                                                                                | 9:16 |  |
| 26   | Sat | 11:44 | 3.5 | 8:42  | 5.4 | 3:50  | 0.1  | 1:54     | 2.9  | 5:15                                                                                | 9:14 |  |
| 27   | Sun |       |     | 12:49 | 3.8 | 4:28  | -0.5 | 2:16     | 3.2  | 5:16                                                                                | 9:12 |  |
| 28   | Mon |       |     | 1:53  | 4.1 | 5:10  | -1.0 | 2:59     | 3.5  | 5:18                                                                                | 9:11 |  |
| 29   | Tue |       |     | 2:43  | 4.3 | 5:56  | -1.4 | 4:10     | 3.6  | 5:19                                                                                | 9:09 |  |
| 30   | Wed |       |     | 3:21  | 4.4 | 6:46  | -1.6 | 5:28     | 3.7  | 5:21                                                                                | 9:07 |  |
| 31   | Thu |       |     | 3:58  | 4.6 | 7:39  | -1.7 | 6:55     | 3.6  | 5:23                                                                                | 9:06 |  |