

## Black Rock, Walrus Islands, AK - Jul 1977

| Date |     | High  |     |          |     | Low   |      |       |      |  |       |    |
|------|-----|-------|-----|----------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft  | PM       | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set   | Moon                                                                                  |
| 1    | Fri | 3:16  | 9.0 | 1:49     | 7.9 | 8:52  | 3.8  | 9:02  | -2.2 | 4:36                                                                                | 10:52 |    |
| 2    | Sat | 4:12  | 9.3 | 3:00     | 7.6 | 9:55  | 3.4  | 9:59  | -2.0 | 4:37                                                                                | 10:52 |    |
| 3    | Sun | 5:05  | 9.5 | 4:14     | 7.3 | 10:58 | 2.8  | 10:57 | -1.6 | 4:38                                                                                | 10:51 |    |
| 4    | Mon | 5:56  | 9.6 | 5:28     | 7.1 | 11:59 | 2.2  | 11:54 | -0.9 | 4:39                                                                                | 10:50 |    |
| 5    | Tue | 6:46  | 9.6 | 6:41     | 6.9 |       |      | 12:59 | 1.6  | 4:41                                                                                | 10:49 |    |
| 6    | Wed | 7:35  | 9.5 | 7:53     | 6.9 | 12:52 | -0.2 | 1:57  | 1.0  | 4:42                                                                                | 10:48 |    |
| 7    | Thu | 8:22  | 9.1 | 9:03     | 6.9 | 1:50  | 0.7  | 2:52  | 0.5  | 4:43                                                                                | 10:47 |    |
| 8    | Fri | 9:07  | 8.7 | 10:12    | 7.1 | 2:47  | 1.6  | 3:45  | 0.2  | 4:45                                                                                | 10:46 |    |
| 9    | Sat | 9:50  | 8.2 | 11:17    | 7.2 | 3:46  | 2.5  | 4:36  | 0.0  | 4:46                                                                                | 10:45 |    |
| 10   | Sun | 10:32 | 7.7 |          |     | 4:45  | 3.2  | 5:24  | -0.1 | 4:48                                                                                | 10:44 |    |
| 11   | Mon | 12:17 | 7.4 | 11:11 AM | 7.3 | 5:43  | 3.8  | 6:09  | -0.2 | 4:49                                                                                | 10:42 |    |
| 12   | Tue | 1:14  | 7.6 | 11:47 AM | 6.8 | 6:39  | 4.3  | 6:51  | -0.1 | 4:51                                                                                | 10:41 |   |
| 13   | Wed | 2:06  | 7.7 | 12:21    | 6.5 | 7:32  | 4.6  | 7:30  | -0.1 | 4:53                                                                                | 10:39 |  |
| 14   | Thu | 2:54  | 7.8 | 12:55    | 6.2 | 8:23  | 4.8  | 8:08  | 0.0  | 4:54                                                                                | 10:38 |  |
| 15   | Fri | 3:36  | 7.9 | 1:32     | 6.0 | 9:11  | 4.8  | 8:45  | 0.1  | 4:56                                                                                | 10:36 |  |
| 16   | Sat | 4:14  | 8.0 | 2:16     | 5.9 | 9:56  | 4.7  | 9:22  | 0.1  | 4:58                                                                                | 10:35 |  |
| 17   | Sun | 4:49  | 8.0 | 3:07     | 5.8 | 10:39 | 4.4  | 9:59  | 0.2  | 5:00                                                                                | 10:33 |  |
| 18   | Mon | 5:21  | 8.0 | 4:03     | 5.7 | 11:20 | 4.1  | 10:38 | 0.4  | 5:01                                                                                | 10:31 |  |
| 19   | Tue | 5:51  | 8.1 | 5:02     | 5.8 |       |      | 12:00 | 3.6  | 5:03                                                                                | 10:30 |  |
| 20   | Wed | 6:19  | 8.1 | 6:02     | 5.9 |       |      | 12:39 | 2.9  | 5:05                                                                                | 10:28 |  |
| 21   | Thu | 6:48  | 8.1 | 7:04     | 6.1 | 12:03 | 1.1  | 1:18  | 2.2  | 5:07                                                                                | 10:26 |  |
| 22   | Fri | 7:17  | 8.2 | 8:06     | 6.5 | 12:49 | 1.6  | 1:58  | 1.5  | 5:09                                                                                | 10:24 |  |
| 23   | Sat | 7:48  | 8.3 | 9:07     | 6.8 | 1:39  | 2.2  | 2:40  | 0.7  | 5:11                                                                                | 10:22 |  |
| 24   | Sun | 8:24  | 8.3 | 10:08    | 7.3 | 2:32  | 2.7  | 3:26  | -0.1 | 5:13                                                                                | 10:20 |  |
| 25   | Mon | 9:05  | 8.4 | 11:08    | 7.7 | 3:28  | 3.2  | 4:16  | -0.7 | 5:15                                                                                | 10:18 |  |
| 26   | Tue | 9:51  | 8.5 |          |     | 4:28  | 3.6  | 5:08  | -1.2 | 5:17                                                                                | 10:16 |  |
| 27   | Wed | 12:07 | 8.0 | 10:43 AM | 8.4 | 5:30  | 3.8  | 6:02  | -1.6 | 5:20                                                                                | 10:14 |  |
| 28   | Thu | 1:03  | 8.4 | 11:40 AM | 8.3 | 6:33  | 3.9  | 6:57  | -1.8 | 5:22                                                                                | 10:12 |  |
| 29   | Fri | 2:00  | 8.6 | 12:41    | 8.1 | 7:35  | 3.7  | 7:53  | -1.7 | 5:24                                                                                | 10:10 |  |
| 30   | Sat | 2:55  | 8.8 | 1:48     | 7.8 | 8:37  | 3.4  | 8:49  | -1.5 | 5:26                                                                                | 10:07 |  |

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|------|-----|------|-----|------|-----|------|-----|------|------|------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|
|      |     | AM   | ft  | PM   | ft  | AM   | ft  | PM   | ft   | Rise                                                                               | Set   | Moon                                                                                |
| 31   | Sun | 3:49 | 8.9 | 3:00 | 7.5 | 9:38 | 2.9 | 9:46 | -1.0 | 5:28                                                                               | 10:05 |  |