

## Astoria (Youngs Bay), OR - Dec 1963

| Date |     | High  |      |          |      | Low   |     |       |      |  |      |    |
|------|-----|-------|------|----------|------|-------|-----|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft   | PM       | ft   | AM    | ft  | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Sun | 1:12  | 8.5  | 12:37    | 10.6 | 6:42  | 2.4 | 7:42  | -1.5 | 7:37                                                                                | 4:31 |    |
| 2    | Mon | 2:05  | 8.6  | 1:22     | 10.5 | 7:32  | 2.7 | 8:30  | -1.5 | 7:38                                                                                | 4:31 |    |
| 3    | Tue | 2:58  | 8.6  | 2:09     | 10.2 | 8:23  | 2.9 | 9:18  | -1.2 | 7:39                                                                                | 4:30 |    |
| 4    | Wed | 3:51  | 8.5  | 2:58     | 9.6  | 9:15  | 3.1 | 10:06 | -0.6 | 7:40                                                                                | 4:30 |    |
| 5    | Thu | 4:44  | 8.3  | 3:51     | 8.9  | 10:11 | 3.3 | 10:56 | 0.0  | 7:41                                                                                | 4:30 |    |
| 6    | Fri | 5:38  | 8.2  | 4:52     | 8.1  | 11:13 | 3.4 | 11:50 | 0.6  | 7:42                                                                                | 4:30 |    |
| 7    | Sat | 6:33  | 8.2  | 6:01     | 7.4  |       |     | 12:22 | 3.4  | 7:43                                                                                | 4:29 |    |
| 8    | Sun | 7:28  | 8.2  | 7:17     | 6.9  | 12:46 | 1.2 | 1:34  | 3.0  | 7:44                                                                                | 4:29 |    |
| 9    | Mon | 8:19  | 8.4  | 8:33     | 6.8  | 1:43  | 1.7 | 2:43  | 2.5  | 7:45                                                                                | 4:29 |    |
| 10   | Tue | 9:06  | 8.6  | 9:41     | 6.9  | 2:38  | 2.1 | 3:42  | 1.8  | 7:46                                                                                | 4:29 |    |
| 11   | Wed | 9:48  | 8.9  | 10:39    | 7.1  | 3:28  | 2.4 | 4:32  | 1.1  | 7:47                                                                                | 4:29 |    |
| 12   | Thu | 10:26 | 9.1  | 11:30    | 7.4  | 4:13  | 2.7 | 5:17  | 0.6  | 7:48                                                                                | 4:29 |    |
| 13   | Fri | 11:01 | 9.3  |          |      | 4:56  | 3.0 | 5:57  | 0.2  | 7:49                                                                                | 4:29 |   |
| 14   | Sat | 12:16 | 7.7  | 11:34 AM | 9.4  | 5:38  | 3.2 | 6:36  | 0.0  | 7:50                                                                                | 4:29 |  |
| 15   | Sun | 1:00  | 7.8  | 12:06    | 9.4  | 6:18  | 3.4 | 7:12  | -0.2 | 7:50                                                                                | 4:29 |  |
| 16   | Mon | 1:41  | 7.9  | 12:37    | 9.4  | 6:58  | 3.6 | 7:47  | -0.2 | 7:51                                                                                | 4:30 |  |
| 17   | Tue | 2:21  | 8.0  | 1:10     | 9.4  | 7:37  | 3.7 | 8:21  | -0.2 | 7:52                                                                                | 4:30 |  |
| 18   | Wed | 2:59  | 8.0  | 1:44     | 9.3  | 8:15  | 3.8 | 8:54  | -0.2 | 7:53                                                                                | 4:30 |  |
| 19   | Thu | 3:37  | 7.9  | 2:22     | 9.2  | 8:54  | 3.8 | 9:28  | -0.1 | 7:53                                                                                | 4:31 |  |
| 20   | Fri | 4:16  | 7.9  | 3:05     | 8.9  | 9:36  | 3.7 | 10:05 | 0.2  | 7:54                                                                                | 4:31 |  |
| 21   | Sat | 4:56  | 7.9  | 3:55     | 8.4  | 10:25 | 3.6 | 10:46 | 0.5  | 7:54                                                                                | 4:31 |  |
| 22   | Sun | 5:39  | 8.0  | 4:56     | 7.9  | 11:24 | 3.5 | 11:35 | 1.0  | 7:55                                                                                | 4:32 |  |
| 23   | Mon | 6:26  | 8.2  | 6:10     | 7.3  |       |     | 12:34 | 3.1  | 7:55                                                                                | 4:33 |  |
| 24   | Tue | 7:17  | 8.6  | 7:35     | 7.0  | 12:32 | 1.5 | 1:49  | 2.5  | 7:56                                                                                | 4:33 |  |
| 25   | Wed | 8:09  | 9.0  | 8:57     | 7.1  | 1:34  | 1.9 | 2:58  | 1.6  | 7:56                                                                                | 4:34 |  |
| 26   | Thu | 9:01  | 9.5  | 10:10    | 7.4  | 2:38  | 2.3 | 4:00  | 0.7  | 7:56                                                                                | 4:34 |  |
| 27   | Fri | 9:52  | 10.0 | 11:14    | 7.8  | 3:38  | 2.6 | 4:57  | -0.2 | 7:57                                                                                | 4:35 |  |
| 28   | Sat | 10:41 | 10.4 |          |      | 4:36  | 2.8 | 5:50  | -0.8 | 7:57                                                                                | 4:36 |  |
| 29   | Sun | 12:11 | 8.2  | 11:31 AM | 10.7 | 5:32  | 3.0 | 6:41  | -1.2 | 7:57                                                                                | 4:37 |  |
| 30   | Mon | 1:04  | 8.5  | 12:19    | 10.7 | 6:27  | 3.0 | 7:30  | -1.4 | 7:57                                                                                | 4:37 |  |
| 31   | Tue | 1:55  | 8.7  | 1:08     | 10.5 | 7:20  | 3.0 | 8:18  | -1.3 | 7:57                                                                                | 4:38 |  |