

## Astoria (Youngs Bay), OR - May 1977

| Date |     | High  |      |       |     | Low   |      |       |      |  |      |    |
|------|-----|-------|------|-------|-----|-------|------|-------|------|-------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|
|      |     | AM    | ft   | PM    | ft  | AM    | ft   | PM    | ft   | Rise                                                                                | Set  | Moon                                                                                  |
| 1    | Sun |       |      | 12:27 | 7.9 | 6:19  | 0.2  | 6:21  | 1.2  | 6:01                                                                                | 8:23 |    |
| 2    | Mon | 12:28 | 9.4  | 1:21  | 8.2 | 7:09  | -0.5 | 7:09  | 1.3  | 5:59                                                                                | 8:24 |    |
| 3    | Tue | 1:09  | 9.8  | 2:13  | 8.3 | 7:58  | -1.1 | 7:56  | 1.5  | 5:58                                                                                | 8:26 |    |
| 4    | Wed | 1:52  | 10.0 | 3:06  | 8.3 | 8:47  | -1.4 | 8:44  | 1.8  | 5:56                                                                                | 8:27 |    |
| 5    | Thu | 2:36  | 10.1 | 3:59  | 8.2 | 9:35  | -1.5 | 9:33  | 2.0  | 5:55                                                                                | 8:28 |    |
| 6    | Fri | 3:23  | 9.9  | 4:53  | 8.1 | 10:24 | -1.3 | 10:25 | 2.2  | 5:53                                                                                | 8:30 |    |
| 7    | Sat | 4:13  | 9.5  | 5:48  | 7.9 | 11:15 | -0.9 | 11:21 | 2.5  | 5:52                                                                                | 8:31 |    |
| 8    | Sun | 5:08  | 8.9  | 6:46  | 7.8 |       |      | 12:09 | -0.4 | 5:50                                                                                | 8:32 |    |
| 9    | Mon | 6:10  | 8.2  | 7:45  | 7.8 | 12:24 | 2.6  | 1:07  | 0.1  | 5:49                                                                                | 8:33 |    |
| 10   | Tue | 7:20  | 7.5  | 8:44  | 7.9 | 1:34  | 2.6  | 2:08  | 0.6  | 5:48                                                                                | 8:35 |    |
| 11   | Wed | 8:35  | 7.1  | 9:40  | 8.1 | 2:47  | 2.3  | 3:08  | 1.0  | 5:46                                                                                | 8:36 |    |
| 12   | Thu | 9:47  | 7.0  | 10:29 | 8.4 | 3:55  | 1.8  | 4:04  | 1.2  | 5:45                                                                                | 8:37 |   |
| 13   | Fri | 10:52 | 7.1  | 11:14 | 8.6 | 4:54  | 1.2  | 4:54  | 1.4  | 5:44                                                                                | 8:38 |  |
| 14   | Sat | 11:49 | 7.2  | 11:53 | 8.8 | 5:46  | 0.6  | 5:39  | 1.7  | 5:43                                                                                | 8:40 |  |
| 15   | Sun |       |      | 12:39 | 7.4 | 6:31  | 0.1  | 6:21  | 1.9  | 5:42                                                                                | 8:41 |  |
| 16   | Mon | 12:28 | 8.9  | 1:25  | 7.5 | 7:13  | -0.2 | 7:00  | 2.2  | 5:40                                                                                | 8:42 |  |
| 17   | Tue | 1:02  | 8.9  | 2:08  | 7.6 | 7:53  | -0.3 | 7:39  | 2.4  | 5:39                                                                                | 8:43 |  |
| 18   | Wed | 1:33  | 8.9  | 2:49  | 7.6 | 8:30  | -0.4 | 8:16  | 2.6  | 5:38                                                                                | 8:44 |  |
| 19   | Thu | 2:03  | 8.8  | 3:30  | 7.5 | 9:05  | -0.4 | 8:53  | 2.8  | 5:37                                                                                | 8:45 |  |
| 20   | Fri | 2:34  | 8.7  | 4:09  | 7.4 | 9:38  | -0.3 | 9:30  | 2.9  | 5:36                                                                                | 8:47 |  |
| 21   | Sat | 3:06  | 8.6  | 4:48  | 7.3 | 10:11 | -0.2 | 10:08 | 3.0  | 5:35                                                                                | 8:48 |  |
| 22   | Sun | 3:41  | 8.4  | 5:28  | 7.3 | 10:44 | 0.0  | 10:49 | 3.1  | 5:34                                                                                | 8:49 |  |
| 23   | Mon | 4:22  | 8.1  | 6:10  | 7.2 | 11:21 | 0.2  | 11:38 | 3.1  | 5:33                                                                                | 8:50 |  |
| 24   | Tue | 5:10  | 7.7  | 6:56  | 7.3 |       |      | 12:04 | 0.5  | 5:32                                                                                | 8:51 |  |
| 25   | Wed | 6:10  | 7.3  | 7:45  | 7.4 | 12:36 | 3.0  | 12:55 | 0.8  | 5:32                                                                                | 8:52 |  |
| 26   | Thu | 7:22  | 6.9  | 8:37  | 7.8 | 1:45  | 2.7  | 1:53  | 1.1  | 5:31                                                                                | 8:53 |  |
| 27   | Fri | 8:43  | 6.7  | 9:27  | 8.2 | 2:56  | 2.2  | 2:55  | 1.4  | 5:30                                                                                | 8:54 |  |
| 28   | Sat | 10:01 | 6.8  | 10:17 | 8.7 | 4:03  | 1.4  | 3:55  | 1.6  | 5:29                                                                                | 8:55 |  |
| 29   | Sun | 11:10 | 7.1  | 11:05 | 9.3 | 5:02  | 0.5  | 4:52  | 1.7  | 5:28                                                                                | 8:56 |  |
| 30   | Mon |       |      | 12:12 | 7.4 | 5:58  | -0.3 | 5:47  | 1.9  | 5:28                                                                                | 8:57 |  |
| 31   | Tue |       |      | 1:09  | 7.7 | 6:51  | -1.0 | 6:41  | 2.0  | 5:27                                                                                | 8:58 |  |