US HARBORS www.USHarbors.com

# Black Rock, Walrus Islands, AK - Jul 1854

| Date | | High | | | | Low | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AM | ft | PM | ft | AM | ft | PM | ft | Rise | Set | Moon |
| 1 | Sat | **8:00** | 8.4 | **7:24** | 5.1 | **12:41** | 0.5 | **2:29** | 3.3 | 3:35 | 9:53 | |
| 2 | Sun | **8:25** | 8.2 | **8:28** | 5.3 | **1:22** | 1.0 | **3:03** | 2.7 | 3:36 | 9:53 | |
| 3 | Mon | **8:48** | 8.0 | **9:33** | 5.7 | **2:04** | 1.7 | **3:36** | 2.0 | 3:37 | 9:52 | |
| 4 | Tue | **9:08** | 7.9 | **10:37** | 6.2 | **2:50** | 2.5 | **4:09** | 1.1 | 3:38 | 9:51 | |
| 5 | Wed | **9:30** | 7.9 | **11:38** | 6.8 | **3:41** | 3.3 | **4:45** | 0.3 | 3:39 | 9:51 | |
| 6 | Thu | **9:59** | 8.0 | | | **4:38** | 4.0 | **5:25** | -0.6 | 3:40 | 9:50 | |
| 7 | Fri | **12:36** | 7.4 | **10:36 AM** | 8.1 | **5:38** | 4.6 | **6:10** | -1.4 | 3:41 | 9:49 | |
| 8 | Sat | **1:33** | 8.0 | **11:21 AM** | 8.2 | **6:40** | 5.0 | **7:00** | -2.0 | 3:43 | 9:48 | |
| 9 | Sun | **2:29** | 8.5 | **12:14** | 8.1 | **7:43** | 5.1 | **7:54** | -2.4 | 3:44 | 9:47 | |
| 10 | Mon | **3:25** | 9.0 | **1:15** | 8.0 | **8:47** | 4.9 | **8:51** | -2.6 | 3:46 | 9:45 | |
| 11 | Tue | **4:19** | 9.3 | **2:26** | 7.7 | **9:50** | 4.5 | **9:49** | -2.5 | 3:47 | 9:44 | |
| 12 | Wed | **5:10** | 9.5 | **3:44** | 7.4 | **10:52** | 3.9 | **10:48** | -2.2 | 3:49 | 9:43 | |
| 13 | Thu | **6:00** | 9.7 | **5:04** | 7.2 | **11:55** | 3.1 | **11:47** | -1.6 | 3:50 | 9:42 | |
| 14 | Fri | **6:49** | 9.7 | **6:24** | 7.0 | | | **12:56** | 2.2 | 3:52 | 9:40 | |
| 15 | Sat | **7:37** | 9.6 | **7:44** | 6.9 | **12:46** | -0.8 | **1:55** | 1.3 | 3:54 | 9:39 | |
| 16 | Sun | **8:23** | 9.3 | **9:01** | 7.0 | **1:46** | 0.3 | **2:52** | 0.5 | 3:55 | 9:37 | |
| 17 | Mon | **9:08** | 8.9 | **10:16** | 7.2 | **2:47** | 1.3 | **3:47** | -0.1 | 3:57 | 9:36 | |
| 18 | Tue | **9:52** | 8.4 | **11:27** | 7.6 | **3:49** | 2.4 | **4:40** | -0.5 | 3:59 | 9:34 | |
| 19 | Wed | **10:35** | 7.8 | | | **4:53** | 3.3 | **5:30** | -0.6 | 4:01 | 9:32 | |
| 20 | Thu | **12:32** | 7.9 | **11:15 AM** | 7.3 | **5:57** | 4.0 | **6:17** | -0.7 | 4:03 | 9:30 | |
| 21 | Fri | **1:33** | 8.2 | **11:53 AM** | 6.8 | **6:59** | 4.5 | **7:01** | -0.5 | 4:05 | 9:29 | |
| 22 | Sat | **2:30** | 8.3 | **12:28** | 6.4 | **7:58** | 4.9 | **7:43** | -0.4 | 4:07 | 9:27 | |
| 23 | Sun | **3:20** | 8.4 | **1:02** | 6.1 | **8:53** | 5.0 | **8:23** | -0.3 | 4:09 | 9:25 | |
| 24 | Mon | **4:05** | 8.4 | **1:38** | 5.8 | **9:43** | 5.1 | **9:01** | -0.1 | 4:11 | 9:23 | |
| 25 | Tue | **4:44** | 8.4 | **2:21** | 5.7 | **10:28** | 5.0 | **9:39** | 0.0 | 4:13 | 9:21 | |
| 26 | Wed | **5:18** | 8.3 | **3:13** | 5.5 | **11:11** | 4.8 | **10:16** | 0.1 | 4:15 | 9:19 | |
| 27 | Thu | **5:50** | 8.2 | **4:10** | 5.5 | **11:51** | 4.4 | **10:54** | 0.3 | 4:17 | 9:17 | |
| 28 | Fri | **6:18** | 8.1 | **5:10** | 5.4 | | | **12:29** | 4.0 | 4:19 | 9:15 | |
| 29 | Sat | **6:44** | 8.0 | **6:12** | 5.5 | | | **1:05** | 3.4 | 4:21 | 9:13 | |
| 30 | Sun | **7:08** | 7.9 | **7:16** | 5.7 | **12:14** | 1.2 | **1:39** | 2.7 | 4:23 | 9:10 | |

| Date | | High | | | | Low | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AM | ft | PM | ft | AM | ft | PM | ft | Rise | Set | Moon |
| 31 | Mon | **7:30** | 7.8 | **8:18** | 6.1 | **12:57** | 1.8 | **2:12** | 1.9 | 4:25 | 9:08 | |