

SHATT-AL-ARAB, OUTER BAR (PERSIAN GULF)

LAT. 29° 50' N. LONG. 48° 43' E.

TIME ZONE -0300

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

YEAR 2023

OCTOBER

| TIME | | | Ht. | | | TIME | | | Ht. | | | |
|-----------------|------|-----|-----------------|------|-----|-----------------|------|-----|-----------------|------|-----|----------------|
| h m | | | m | | | h m | | | m | | | |
| 1 SU | 0604 | 0.4 | 16 M | 0546 | 0.7 | 16 M | 0546 | 0.7 | 16 M | 0546 | 0.7 | |
| | 1157 | 3.1 | | 1144 | 2.7 | | 1144 | 2.7 | | 1144 | 2.7 | |
| | 1816 | 0.6 | | 1726 | 1.1 | | 1726 | 1.1 | | 1726 | 1.1 | |
| | 2357 | 3.3 | | 2328 | 3.1 | | 2328 | 3.1 | | 2328 | 3.1 | |
| 2 M | 0649 | 0.3 | 17 TU | 0619 | 0.5 | 17 TU | 0619 | 0.5 | 17 TU | 0619 | 0.5 | |
| | 1241 | 3.0 | | 1221 | 2.6 | | 1221 | 2.6 | | 1221 | 2.6 | |
| | 1849 | 0.8 | | 1748 | 1.2 | | 1748 | 1.2 | | 1748 | 1.2 | |
| | | | | 2351 | 3.2 | | 2351 | 3.2 | | 2351 | 3.2 | |
| 3 TU | 0027 | 3.3 | 18 W | 0655 | 0.4 | 18 W | 0655 | 0.4 | 18 W | 0655 | 0.4 | |
| | 0732 | 0.2 | | 1300 | 2.5 | | 1300 | 2.5 | | 1300 | 2.5 | |
| | 1326 | 2.8 | | 1813 | 1.3 | | 1813 | 1.3 | | 1813 | 1.3 | |
| | 1919 | 1.0 | | | | | | | | | | |
| 4 W | 0057 | 3.3 | 19 TH | 0018 | 3.3 | 19 TH | 0018 | 3.3 | 19 TH | 0018 | 3.3 | |
| | 0816 | 0.2 | | 0734 | 0.3 | | 0734 | 0.3 | | 0734 | 0.3 | |
| | 1411 | 2.6 | | 1343 | 2.4 | | 1343 | 2.4 | | 1343 | 2.4 | |
| | 1948 | 1.2 | | 1842 | 1.4 | | 1842 | 1.4 | | 1842 | 1.4 | |
| 5 TH | 0128 | 3.2 | 20 F | 0050 | 3.3 | 20 F | 0050 | 3.3 | 20 F | 0050 | 3.3 | |
| | 0902 | 0.3 | | 0821 | 0.3 | | 0821 | 0.3 | | 0821 | 0.3 | |
| | 1502 | 2.3 | | 1432 | 2.3 | | 1432 | 2.3 | | 1432 | 2.3 | |
| | 2020 | 1.4 | | 1919 | 1.5 | | 1919 | 1.5 | | 1919 | 1.5 | |
| 6 F | 0159 | 3.1 | 21 SA | 0126 | 3.3 | 21 SA | 0126 | 3.3 | 21 SA | 0126 | 3.3 | |
| | 0954 | 0.4 | | 0917 | 0.3 | | 0917 | 0.3 | | 0917 | 0.3 | |
| | 1609 | 2.1 | | 1534 | 2.1 | | 1534 | 2.1 | | 1534 | 2.1 | |
| | 2059 | 1.6 | | 2010 | 1.7 | | 2010 | 1.7 | | 2010 | 1.7 | |
| 7 SA | 0233 | 2.9 | 22 SU | 0209 | 3.1 | 22 SU | 0209 | 3.1 | 22 SU | 0209 | 3.1 | |
| | 1056 | 0.6 | | 1023 | 0.3 | | 1023 | 0.3 | | 1023 | 0.3 | |
| | 1800 | 2.0 | | 1708 | 2.1 | | 1708 | 2.1 | | 1708 | 2.1 | |
| | 2158 | 1.8 | | 2132 | 1.8 | | 2132 | 1.8 | | 2132 | 1.8 | |
| 8 SU | 0314 | 2.6 | 23 M | 0303 | 2.8 | 23 M | 0303 | 2.8 | 23 M | 0303 | 2.8 | |
| | 1209 | 0.7 | | 1136 | 0.4 | | 1136 | 0.4 | | 1136 | 0.4 | |
| | 1939 | 2.2 | | 1855 | 2.2 | | 1855 | 2.2 | | 1855 | 2.2 | |
| | 2324 | 1.9 | | 2316 | 1.8 | | 2316 | 1.8 | | 2316 | 1.8 | |
| 9 M | 0423 | 2.4 | 24 TU | 0427 | 2.6 | 24 TU | 0427 | 2.6 | 24 TU | 0427 | 2.6 | |
| | 1325 | 0.7 | | 1249 | 0.4 | | 1249 | 0.4 | | 1249 | 0.4 | |
| | 2032 | 2.4 | | 1953 | 2.4 | | 1953 | 2.4 | | 1953 | 2.4 | 25 W |
| | | | | | | | | | | | | |
| 10 TU | 0105 | 1.8 | 25 W | 0055 | 1.6 | 25 W | 0055 | 1.6 | 25 W | 0055 | 1.6 | |
| | 0703 | 2.3 | | 0648 | 2.5 | | 0648 | 2.5 | | 0648 | 2.5 | |
| | 1428 | 0.7 | | 1354 | 0.4 | | 1354 | 0.4 | | 1354 | 0.4 | |
| | 2108 | 2.5 | | 2033 | 2.6 | | 2033 | 2.6 | | 2033 | 2.6 | |
| 11 W | 0234 | 1.6 | 26 TH | 0218 | 1.2 | 26 TH | 0218 | 1.2 | 26 TH | 0218 | 1.2 | |
| | 0825 | 2.4 | | 0822 | 2.6 | | 0822 | 2.6 | | 0822 | 2.6 | |
| | 1515 | 0.7 | | 1449 | 0.5 | | 1449 | 0.5 | | 1449 | 0.5 | |
| | 2138 | 2.7 | | 2109 | 2.9 | | 2109 | 2.9 | | 2109 | 2.9 | |
| 12 TH | 0330 | 1.4 | 27 F | 0321 | 0.8 | 27 F | 0321 | 0.8 | 27 F | 0321 | 0.8 | |
| | 0916 | 2.5 | | 0924 | 2.7 | | 0924 | 2.7 | | 0924 | 2.7 | |
| | 1551 | 0.7 | | 1536 | 0.6 | | 1536 | 0.6 | | 1536 | 0.6 | |
| | 2205 | 2.8 | | 2141 | 3.0 | | 2141 | 3.0 | | 2141 | 3.0 | |
| 13 F | 0410 | 1.2 | 28 SA | 0415 | 0.5 | 28 SA | 0415 | 0.5 | 28 SA | 0415 | 0.5 | |
| | 0956 | 2.6 | | 1016 | 2.8 | | 1016 | 2.8 | | 1016 | 2.8 | |
| | 1620 | 0.8 | | 1619 | 0.7 | | 1619 | 0.7 | | 1619 | 0.7 | |
| | 2228 | 2.9 | | 2214 | 3.2 | | 2214 | 3.2 | | 2214 | 3.2 | |
| 14 SA | 0444 | 1.0 | 29 SU | 0504 | 0.2 | 29 SU | 0504 | 0.2 | 29 SU | 0504 | 0.2 | |
| | 1033 | 2.7 | | 1104 | 2.8 | | 1104 | 2.8 | | 1104 | 2.8 | |
| | 1644 | 0.9 | | 1658 | 0.9 | | 1658 | 0.9 | | 1658 | 0.9 | |
| | 2249 | 2.9 | | 2246 | 3.3 | | 2246 | 3.3 | | 2246 | 3.3 | |
| 15 SU | 0515 | 0.9 | 30 M | 0550 | 0.1 | 30 M | 0550 | 0.1 | 30 M | 0550 | 0.1 | |
| | 1109 | 2.7 | | 1150 | 2.8 | | 1150 | 2.8 | | 1150 | 2.8 | |
| | 1705 | 1.0 | | 1735 | 1.1 | | 1735 | 1.1 | | 1735 | 1.1 | |
| | 2308 | 3.0 | | 2318 | 3.3 | | 2318 | 3.3 | | 2318 | 3.3 | |
| 15 SU | | | 31 TU | 0636 | 0.0 | 31 TU | 0636 | 0.0 | 31 TU | 0636 | 0.0 | |
| | | | | 1236 | 2.7 | | 1236 | 2.7 | | 1236 | 2.7 | |
| | | | | 1810 | 1.2 | | 1810 | 1.2 | | 1810 | 1.2 | |
| | | | | 2350 | 3.3 | | 2350 | 3.3 | | 2350 | 3.3 | |