

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 2020

DECEMBER

| | TIME | | Ht. | | TIME | | Ht. |
|-----------|------|------|-----|-----------|-----------|------|------|
| | h | m | | | h | m | |
| 1 | 0558 | 0.3 | | | 16 | 0622 | -0.3 |
| TU | 1201 | 2.4 | | | | 1228 | 2.5 |
| | 1648 | 1.5 | | W | | 1744 | 1.5 |
| | 2251 | 3.1 | | | | 2322 | 3.3 |
| 2 | 0631 | 0.2 | | | 17 | 0709 | -0.4 |
| W | 1239 | 2.4 | | | | 1315 | 2.6 |
| | 1720 | 1.6 | | TH | | 1838 | 1.5 |
| | 2319 | 3.2 | | | | | |
| 3 | 0703 | 0.2 | | | 18 | 0004 | 3.2 |
| TH | 1317 | 2.4 | | | | 0752 | -0.3 |
| | 1756 | 1.7 | | F | | 1400 | 2.6 |
| | 2351 | 3.2 | | | | 1929 | 1.5 |
| 4 | 0736 | 0.1 | | | 19 | 0046 | 3.0 |
| F | 1354 | 2.4 | | | | 0832 | -0.2 |
| | 1838 | 1.7 | | SA | | 1442 | 2.6 |
| | | | | | | 2020 | 1.5 |
| 5 | 0026 | 3.2 | | | 20 | 0128 | 2.9 |
| SA | 0810 | 0.1 | | | | 0911 | 0.0 |
| | 1433 | 2.4 | | SU | | 1524 | 2.5 |
| | 1928 | 1.6 | | | | 2111 | 1.5 |
| 6 | 0106 | 3.1 | | | 21 | 0212 | 2.6 |
| SU | 0849 | 0.1 | | | | 0948 | 0.2 |
| | 1515 | 2.4 | | M | | 1609 | 2.5 |
| | 2027 | 1.6 | | | | 2205 | 1.4 |
| 7 | 0151 | 3.0 | | | 22 | 0301 | 2.4 |
| M | 0933 | 0.2 | | | | 1026 | 0.4 |
| | 1603 | 2.4 | | TU | | 1658 | 2.5 |
| | 2135 | 1.5 | | | | 2307 | 1.4 |
| 8 | 0244 | 2.7 | | | 23 | 0405 | 2.1 |
| TU | 1023 | 0.3 | | | | 1107 | 0.6 |
| | 1700 | 2.5 | | W | | 1752 | 2.6 |
| | 2250 | 1.4 | | | | | |
| 9 | 0353 | 2.4 | | | 24 | 0017 | 1.2 |
| W | 1117 | 0.5 | | | | 0552 | 1.9 |
| | 1802 | 2.6 | | TH | | 1151 | 0.9 |
| | | | | | | 1845 | 2.6 |
| 10 | 0008 | 1.2 | | | 25 | 0134 | 1.1 |
| TH | 0535 | 2.2 | | | | 0738 | 1.9 |
| | 1215 | 0.7 | | F | | 1237 | 1.1 |
| | 1859 | 2.7 | | | | 1932 | 2.7 |
| 11 | 0125 | 0.9 | | | 26 | 0246 | 0.9 |
| F | 0730 | 2.2 | | | | 0849 | 2.0 |
| | 1312 | 0.8 | | SA | | 1323 | 1.2 |
| | 1949 | 2.9 | | | | 2013 | 2.8 |
| 12 | 0236 | 0.5 | | | 27 | 0343 | 0.7 |
| SA | 0850 | 2.3 | | | | 0944 | 2.1 |
| | 1407 | 1.0 | | SU | | 1407 | 1.4 |
| | 2035 | 3.1 | | | | 2048 | 2.9 |
| 13 | 0340 | 0.2 | | | 28 | 0428 | 0.5 |
| SU | 0953 | 2.4 | | | | 1031 | 2.2 |
| | 1501 | 1.2 | | M | | 1449 | 1.5 |
| | 2117 | 3.2 | | | | 2119 | 3.0 |
| 14 | 0438 | -0.1 | | | 29 | 0508 | 0.3 |
| M | 1048 | 2.5 | | | | 1115 | 2.3 |
| | 1554 | 1.3 | | TU | | 1530 | 1.6 |
| | 2159 | 3.3 | | | | 2150 | 3.0 |
| 15 | 0532 | -0.2 | | | 30 | 0544 | 0.2 |
| TU | 1139 | 2.5 | | | | 1155 | 2.3 |
| | 1648 | 1.4 | | W | | 1613 | 1.7 |
| | 2241 | 3.3 | | | | 2223 | 3.1 |
| | | | | 31 | 0618 | 0.1 | |
| | | | | | 1232 | 2.4 | |
| | | | | TH | 1659 | 1.7 | |
| | | | | | 2258 | 3.2 | |