

## 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

## AUGUST

|                 | TIME |      | Ht.             |      | TIME |                 | Ht.  |     |
|-----------------|------|------|-----------------|------|------|-----------------|------|-----|
|                 | h    | m    | m               |      | h    | m               | m    |     |
| <b>1</b><br>TU  | 0312 | 1.9  | <b>16</b><br>W  | 0443 | 1.7  | <b>31</b><br>TH | 0436 | 1.4 |
|                 | 0932 | 3.3  |                 | 1024 | 3.1  |                 | 1027 | 3.3 |
|                 | 1722 | 0.0  |                 | 1757 | 0.2  |                 | 1739 | 0.0 |
|                 | 2336 | 2.6  |                 | 2357 | 2.8  |                 | 2338 | 2.0 |
| <b>2</b><br>W   | 0428 | 1.8  | <b>17</b><br>TH | 0528 | 1.6  | <b>30</b><br>W  | 0330 | 1.7 |
|                 | 1026 | 3.4  |                 | 1102 | 3.1  |                 | 0933 | 3.2 |
|                 | 1806 | -0.1 |                 | 1827 | 0.3  |                 | 1657 | 0.0 |
|                 |      |      |                 |      |      |                 | 2305 | 2.8 |
| <b>3</b><br>TH  | 0013 | 2.8  | <b>18</b><br>F  | 0025 | 2.8  | <b>29</b><br>TU | 0206 | 1.8 |
|                 | 0533 | 1.6  |                 | 0604 | 1.5  |                 | 0828 | 3.0 |
|                 | 1117 | 3.5  |                 | 1137 | 3.1  |                 | 1610 | 0.1 |
|                 | 1847 | -0.2 |                 | 1851 | 0.4  |                 | 2231 | 2.6 |
| <b>4</b><br>F   | 0048 | 2.9  | <b>19</b><br>SA | 0049 | 2.9  | <b>28</b><br>M  | 0029 | 1.9 |
|                 | 0629 | 1.4  |                 | 0636 | 1.4  |                 | 0655 | 2.9 |
|                 | 1206 | 3.4  |                 | 1210 | 3.1  |                 | 1515 | 0.4 |
|                 | 1925 | -0.1 |                 | 1911 | 0.5  |                 | 2154 | 2.4 |
| <b>5</b><br>SA  | 0121 | 3.0  | <b>20</b><br>SU | 0109 | 2.9  | <b>27</b><br>SU | 0506 | 2.9 |
|                 | 0719 | 1.2  |                 | 0706 | 1.3  |                 | 1400 | 0.6 |
|                 | 1252 | 3.3  |                 | 1242 | 3.0  |                 | 2109 | 2.1 |
|                 | 2000 | 0.1  |                 | 1928 | 0.6  |                 |      |     |
| <b>6</b><br>SU  | 0152 | 3.0  | <b>21</b><br>M  | 0128 | 2.9  | <b>26</b><br>SA | 0358 | 3.0 |
|                 | 0807 | 1.0  |                 | 0736 | 1.2  |                 | 1225 | 0.8 |
|                 | 1338 | 3.1  |                 | 1315 | 2.9  |                 | 1946 | 1.9 |
|                 | 2033 | 0.3  |                 | 1945 | 0.7  |                 | 2255 | 1.7 |
| <b>7</b><br>M   | 0223 | 3.1  | <b>22</b><br>TU | 0147 | 3.0  | <b>25</b><br>F  | 0312 | 3.1 |
|                 | 0854 | 0.9  |                 | 0810 | 1.1  |                 | 1055 | 0.9 |
|                 | 1425 | 2.9  |                 | 1350 | 2.8  |                 | 1645 | 1.9 |
|                 | 2105 | 0.6  |                 | 2005 | 0.9  |                 | 2144 | 1.5 |
| <b>8</b><br>TU  | 0255 | 3.1  | <b>23</b><br>W  | 0210 | 3.1  | <b>24</b><br>TH | 0238 | 3.1 |
|                 | 0945 | 0.9  |                 | 0851 | 1.0  |                 | 0944 | 1.0 |
|                 | 1517 | 2.5  |                 | 1429 | 2.5  |                 | 1519 | 2.2 |
|                 | 2136 | 0.9  |                 | 2029 | 1.0  |                 | 2100 | 1.3 |
| <b>9</b><br>W   | 0330 | 3.0  | <b>24</b><br>TH | 0238 | 3.1  | <b>23</b><br>W  | 0210 | 3.1 |
|                 | 1044 | 0.9  |                 | 0944 | 1.0  |                 | 0851 | 1.0 |
|                 | 1626 | 2.2  |                 | 1519 | 2.2  |                 | 1429 | 2.5 |
|                 | 2211 | 1.2  |                 | 2100 | 1.3  |                 | 2029 | 1.0 |
| <b>10</b><br>TH | 0411 | 2.9  | <b>25</b><br>F  | 0312 | 3.1  | <b>22</b><br>TU | 0147 | 3.0 |
|                 | 1157 | 0.9  |                 | 1055 | 0.9  |                 | 0810 | 1.1 |
|                 | 1820 | 2.0  |                 | 1645 | 1.9  |                 | 1350 | 2.8 |
|                 | 2255 | 1.5  |                 | 2144 | 1.5  |                 | 2005 | 0.9 |
| <b>11</b><br>F  | 0505 | 2.9  | <b>26</b><br>SA | 0358 | 3.0  | <b>21</b><br>M  | 0128 | 2.9 |
|                 | 1327 | 0.8  |                 | 1225 | 0.8  |                 | 0736 | 1.2 |
|                 | 2014 | 2.0  |                 | 1946 | 1.9  |                 | 1315 | 2.9 |
|                 | 2352 | 1.7  |                 | 2255 | 1.7  |                 | 1945 | 0.7 |
| <b>12</b><br>SA | 0624 | 2.8  | <b>27</b><br>SU | 0506 | 2.9  | <b>20</b><br>SU | 0109 | 2.9 |
|                 | 1453 | 0.6  |                 | 1400 | 0.6  |                 | 0706 | 1.3 |
|                 | 2124 | 2.2  |                 | 2109 | 2.1  |                 | 1242 | 3.0 |
|                 |      |      |                 |      |      |                 | 1928 | 0.6 |
| <b>13</b><br>SU | 0106 | 1.8  | <b>28</b><br>M  | 0029 | 1.9  | <b>19</b><br>SA | 0049 | 2.9 |
|                 | 0747 | 2.9  |                 | 0655 | 2.9  |                 | 0636 | 1.4 |
|                 | 1556 | 0.4  |                 | 1515 | 0.4  |                 | 1210 | 3.1 |
|                 | 2212 | 2.4  |                 | 2154 | 2.4  |                 | 1911 | 0.5 |
| <b>14</b><br>M  | 0230 | 1.9  | <b>29</b><br>TU | 0206 | 1.8  | <b>18</b><br>F  | 0025 | 2.8 |
|                 | 0851 | 2.9  |                 | 0828 | 3.0  |                 | 0604 | 1.5 |
|                 | 1644 | 0.3  |                 | 1610 | 0.1  |                 | 1137 | 3.1 |
|                 | 2251 | 2.5  |                 | 2231 | 2.6  |                 | 1851 | 0.4 |
| <b>15</b><br>TU | 0346 | 1.8  | <b>30</b><br>W  | 0330 | 1.7  | <b>17</b><br>TH | 0528 | 1.6 |
|                 | 0941 | 3.0  |                 | 0933 | 3.2  |                 | 1102 | 3.1 |
|                 | 1723 | 0.2  |                 | 1657 | 0.0  |                 | 1827 | 0.3 |
|                 | 2326 | 2.7  |                 | 2305 | 2.8  |                 |      |     |