

# Tabla de Mareas 2026

Vicepresidencia de Administración  
del Recurso Hídrico

Division de Hidrometeorología  
*Sección de Hidrología*



CANAL DE PANAMÁ

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# PREDICCIONES DE LAS MAREAS Y DATOS ASTRONÓMICOS 2026

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## Innovaciones en la Tabla de Mareas 2025 para el Canal de Panamá

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**Raul Matos** (Científico de Datos).

Las versiones de la tabla de marea desde el año 2024 representan un hito significativo para la Autoridad del Canal de Panamá. Por primera vez, hemos elaborado un pronóstico interno, empleando un análisis exhaustivo de los datos históricos recopilados de los mareógrafos situados en las entradas Norte y Sur del Canal, específicamente en Amador, Altos de Diablo en el Pacífico, y en Bahía Limón para el Atlántico. Este avance marca una transición importante desde la dependencia de datos proporcionados por la NOAA, basados en registros de mareógrafos antiguos.

**Metodología de Análisis:** Este proceso comenzó con una meticulosa recopilación de datos de las estaciones de mareas, creando una base sólida para nuestro análisis. Estos datos son como los

acordes de una canción, registrando con detalle cómo cambia el nivel del agua en puntos cruciales del canal. La información recopilada fue sometida a un proceso riguroso de verificación y validación mediante herramientas informáticas avanzadas. Posteriormente, aplicamos el método de análisis armónico de las mareas, desentrañando patrones complejos en los movimientos de las mareas. Este método utiliza las armónicas de mareas, que son como patrones repetitivos en el comportamiento de las mareas. Los constituyentes de mareas son como las "notas" que componen estas armónicas. Los componentes clave, como los ciclos semidiurnos (cada 12 horas, principalmente debido a la Luna) y diurnos (cada 24 horas, influenciado por la posición relativa del Sol), fueron analizados detalladamente. La integración de la ciencia de datos fue un paso revolucionario, empleando algoritmos de aprendizaje automático y modelado predictivo para identificar patrones ocultos en los datos, lo que nos permitió predecir

con mayor precisión el comportamiento futuro de las mareas astronómicas en las entradas del canal. Las mareas astronómicas se refieren a las variaciones del nivel del agua en los océanos causadas principalmente por las fuerzas gravitacionales entre la Tierra, la Luna y el Sol. Estas fuerzas astronómicas influyen en las mareas de manera predecible y constante.

**Importancia del Análisis Mareal:** Este enfoque innovador es crucial para el funcionamiento del Canal y las regiones costeras aledañas. Ofrece información esencial para la navegación segura y eficiente, un aspecto vital para el comercio mundial. Facilita la planificación detallada de operaciones como el dragado, la gestión portuaria y los levantamientos hidrográficos, mejorando notablemente la seguridad y eficiencia en una de las rutas marítimas más importantes del mundo. Además, esta iniciativa fortalece nuestra capacidad para monitorear los impactos del cambio climático global, como el aumento del nivel del mar, apoyando así

**Conclusión:** Esta sinfonía de innovación, fruto de la colaboración entre la Vicepresidencia de Recursos Hídricos (HIAM) y la Unidad de Ciencia de Datos (ACE-C), no solo eleva la seguridad y eficiencia del Canal de Panamá, sino que también demuestra el talento y compromiso de nuestro equipo canalero “de aquí mismo”. ¡Un logro que nos llena de orgullo y refuerza nuestra posición como líderes en la gestión de recursos hídricos a nivel mundial!



## Conceptos básicos

La marea astronómica o marea se refiere al ascenso y descenso del nivel del mar producido por las interacciones gravitacionales, periódicas y predictibles, entre la Tierra, la Luna y el Sol. La marea meteorológica representa el ascenso y descenso del nivel del mar provocado por la acción del viento y las fluctuaciones en la presión atmosférica. Para determinar la marea meteorológica, se restan o sustraen las diferencias entre las mareas astronómicas, pronosticada y observada.

Las **mareas de sicigia**, denominadas también mareas vivas, ocurren cuando las posiciones de los tres astros (Sol, Luna y Tierra) se encuentran sobre una misma línea, sumando las fuerzas de atracción de la Luna y el Sol. A partir de ello se producen las mareas extremas: pleamares de mayor valor, en consecuencia, las bajamares, de menor valor. Cuando la Luna se encuentra entre la Tierra y el Sol se denomina de conjunción (**luna nueva**) y cuando la Tierra se encuentra entre la Luna y el Sol se le llama de oposición (**luna llena**).

Dentro de las mareas de sicigia hay dos con valores máximos que ocurren en los equinoccios de otoño y primavera, cuando el Sol y la Luna se encuentran sobre el ecuador.

Entre más grande sea la amplitud de la marea, dada por la diferencia entre pleamar y bajamar, mayores serán las velocidades de las corrientes mareales por el correspondiente volumen de agua a trasladar en el mismo período de tiempo.

Cuando el perigeo, perihelio y la luna llena o nueva ocurren al mismo tiempo, dan como resultado amplitudes de marea considerablemente grandes. En cambio, cuando la luna en cuarto creciente o menguante coincide con el apogeo y afelio, ocurren normalmente amplitudes de marea considerablemente reducidas.

El tipo de marea semidiurna se presenta en nuestra costa pacífica; recibe este nombre porque el ciclo de pleamar y bajamar se completa en medio día. Se registran dos pleamares y dos bajamares, aunque no idénticas, muy similares, en un día de 24 horas 50 minutos 28 segundos (día lunar).

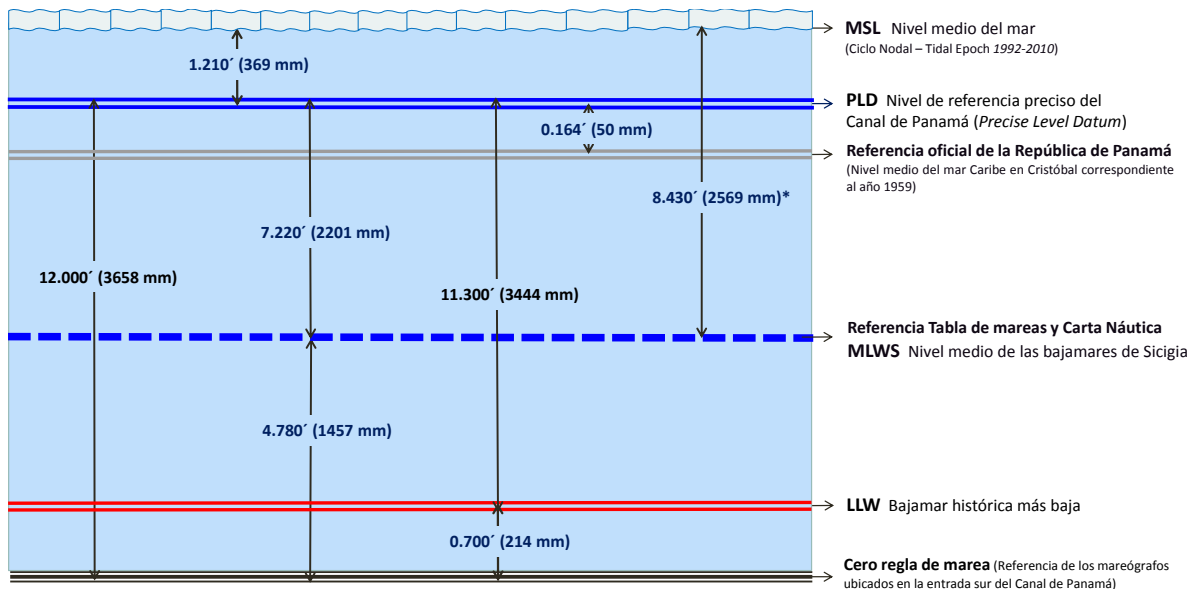
Mareas



## Océano Pacífico

Buque de portacontenedores entrando al Canal de Panamá desde el Pacífico con rumbo al Atlántico.

## Niveles de referencia para alturas de la marea en el océano Pacífico



\*Elevación del nivel medio del mar (MSL, por sus siglas en inglés) sobre el plano de referencia "Chart DATUM" de la predicción de la marea. NOAA's Center for Operational Oceanographic Products and Services (CO-OPS)

Escala: sin escala

## Notas explicativas

Todos los datos están en hora local de la República de Panamá (hora del meridiano 75). Las horas están numeradas consecutivamente desde la hora 0 (medianoche) hasta la 23 (11 p.m.); la hora 12 corresponde al mediodía y las horas mayores de 12 corresponden a la tarde.

La tabla de mareas en la entrada sur del Canal de Panamá está referenciada al mismo nivel de referencia utilizado para las cartas náuticas o de navegación de la localidad, que corresponde al plano ubicado 2.569 m (8.430 pies) por debajo del nivel medio del mar en Balboa correspondiente al Ciclo Nodal 1992-2010. Para encontrar la profundidad real en un momento dado, deberán sumarse la altura de marea, que aparece en la tabla, y la profundidad que está en la carta de navegación. Si la altura de marea

está precedida de un signo menos, ésta deberá restarse de la profundidad registrada en la carta náutica.

La Marea de Sicigia, también conocida como marea sicigial, es la marea extrema que ocurre en períodos de luna llena y luna nueva. Con base en las elevaciones medias de mareas para el Ciclo Nodal (Tidal Datum Epoch) de 19 años, 1992-2010, el NIVEL MEDIO DE LAS MAREAS BAJAS DE SICIGIA (MLWS, por sus siglas en inglés) está 2.201 m (7.220 pies) por debajo del Nivel Preciso de Referencia del Canal de Panamá (PLD, por sus siglas en inglés). En la práctica, las mareas de sicigias no ocurren en los días de luna nueva o luna llena, sino uno o dos días más tarde, retardo que se produce debido fundamentalmente a la inercia de las aguas. Este retardo se denomina “edad de la desigualdad de la fase”, y más comúnmente “edad de la marea”.



**Amador, Océano Pacífico**

## Amador, Océano Pacífico 2026

### Horas y Niveles de Mareas Altas y Bajas

Estación ID: AMA / (8.917133 N/-79.535161 O) / Tipo de estación: Armónica (primaria) / Zona horaria: UTC -5h / Datum: MLWS





| Enero           |      |       |      |    | Febrero          |      |       |      |    | Marzo           |      |       |      |    |                  |      |       |      |    |                 |      |      |     |  |                  |      |      |     |  |
|-----------------|------|-------|------|----|------------------|------|-------|------|----|-----------------|------|-------|------|----|------------------|------|-------|------|----|-----------------|------|------|-----|--|------------------|------|------|-----|--|
| Hora            |      | Nivel |      |    | Hora             |      | Nivel |      |    | Hora            |      | Nivel |      |    | Hora             |      | Nivel |      |    |                 |      |      |     |  |                  |      |      |     |  |
|                 | h    | m     | pies | cm |                  | h    | m     | pies | cm |                 | h    | m     | pies | cm |                  | h    | m     | pies | cm |                 |      |      |     |  |                  |      |      |     |  |
| <b>1</b><br>Jue | 114  | 14.6  | 445  |    | <b>16</b><br>Vie | 208  | 12.4  | 378  |    | <b>1</b><br>Dom | 308  | 14.8  | 451  |    | <b>16</b><br>Lun | 314  | 13.1  | 399  |    | <b>1</b><br>Dom | 206  | 13.4 | 408 |  | <b>16</b><br>Lun | 159  | 12.0 | 366 |  |
|                 | 742  | 1.5   | 46   |    |                  | 838  | 3.1   | 94   |    |                 | 930  | -0.2  | -6   |    |                  | 935  | 1.4   | 43   |    |                 | 824  | 1.2  | 37  |  |                  | 819  | 2.7  | 82  |  |
|                 | 1401 | 14.0  | 427  |    |                  | 1445 | 12.2  | 372  |    |                 | 1545 | 14.8  | 451  |    |                  | 1541 | 13.4  | 408  |    |                 | 1442 | 13.7 | 418 |  |                  | 1425 | 12.7 | 387 |  |
|                 | 2006 | 2.4   | 73   |    |                  | 2054 | 4.0   | 122  |    |                 | 2156 | 0.5   | 15   |    |                  | 2154 | 1.9   | 58   |    |                 | 2054 | 1.5  | 46  |  |                  | 2043 | 2.8  | 85  |  |
| <b>2</b><br>Vie | 215  | 15.2  | 463  |    | <b>17</b><br>Sáb | 253  | 12.9  | 393  |    | <b>2</b><br>Lun | 402  | 15.4  | 469  |    | <b>17</b><br>Mar | 355  | 13.9  | 424  |    | <b>2</b><br>Lun | 302  | 14.2 | 433 |  | <b>17</b><br>Mar | 245  | 13.0 | 396 |  |
|                 | 843  | 0.6   | 18   |    |                  | 922  | 2.3   | 70   |    |                 | 1017 | -1.0  | -30  |    |                  | 1009 | 0.5   | 15   |    |                 | 916  | 0.1  | 3   |  |                  | 900  | 1.6  | 49  |  |
|                 | 1457 | 14.8  | 451  |    |                  | 1525 | 12.8  | 390  |    |                 | 1635 | 15.5  | 472  |    |                  | 1620 | 14.3  | 436  |    |                 | 1532 | 14.7 | 448 |  |                  | 1506 | 13.8 | 421 |  |
|                 | 2108 | 1.5   | 46   |    |                  | 2138 | 3.3   | 101  |    |                 | 2243 | -0.2  | -6   |    |                  | 2230 | 0.9   | 27   |    |                 | 2143 | 0.4  | 12  |  |                  | 2124 | 1.5  | 46  |  |
| <b>3</b><br>Sáb | 313  | 15.8  | 482  |    | <b>18</b><br>Dom | 335  | 13.4  | 408  |    | <b>3</b><br>Mar | 451  | 15.8  | 482  |    | <b>18</b><br>Mié | 433  | 14.6  | 445  |    | <b>3</b><br>Mar | 350  | 14.9 | 454 |  | <b>18</b><br>Mié | 327  | 14.0 | 427 |  |
|                 | 938  | -0.3  | -9   |    |                  | 959  | 1.6   | 49   |    |                 | 1059 | -1.4  | -43  |    |                  | 1043 | -0.3  | -9   |    |                 | 959  | -0.6 | -18 |  |                  | 937  | 0.5  | 15  |  |
|                 | 1552 | 15.4  | 469  |    |                  | 1605 | 13.4  | 408  |    |                 | 1721 | 16.0  | 488  |    |                  | 1657 | 15.1  | 460  |    |                 | 1616 | 15.4 | 469 |  |                  | 1546 | 14.9 | 454 |  |
|                 | 2203 | 0.7   | 21   |    |                  | 2216 | 2.5   | 76   |    |                 | 2326 | -0.6  | -18  |    |                  | 2305 | 0.0   | 0    |    |                 | 2225 | -0.4 | -12 |  |                  | 2202 | 0.2  | 6   |  |
| <b>4</b><br>Dom | 408  | 16.2  | 494  |    | <b>19</b><br>Lun | 415  | 14.0  | 427  |    | <b>4</b><br>Mié | 534  | 15.8  | 482  |    | <b>19</b><br>Jue | 511  | 15.1  | 460  |    | <b>4</b><br>Mié | 433  | 15.3 | 466 |  | <b>19</b><br>Jue | 406  | 14.8 | 451 |  |
|                 | 1028 | -1.0  | -30  |    |                  | 1033 | 0.9   | 27   |    |                 | 1139 | -1.3  | -40  |    |                  | 1117 | -0.7  | -21  |    |                 | 1038 | -1.0 | -30 |  |                  | 1013 | -0.4 | -12 |  |
|                 | 1646 | 15.9  | 485  |    |                  | 1645 | 14.0  | 427  |    |                 | 1803 | 16.1  | 491  |    |                  | 1734 | 15.7  | 479  |    |                 | 1656 | 15.8 | 482 |  |                  | 1624 | 15.8 | 482 |  |
|                 | 2254 | 0.2   | 6    |    |                  | 2252 | 1.9   | 58   |    |                 |      |       |      |    |                  | 2341 | -0.5  | -15  |    |                 | 2304 | -0.8 | -24 |  |                  | 2239 | -0.8 | -24 |  |
| <b>5</b><br>Lun | 502  | 16.3  | 497  |    | <b>20</b><br>Mar | 454  | 14.4  | 439  |    | <b>5</b><br>Jue | 6    | -0.5  | -15  |    | <b>20</b><br>Vie | 549  | 15.3  | 466  |    | <b>5</b><br>Jue | 512  | 15.4 | 469 |  | <b>20</b><br>Vie | 445  | 15.5 | 472 |  |
|                 | 1114 | -1.2  | -37  |    |                  | 1107 | 0.4   | 12   |    |                 | 615  | 15.5  | 472  |    |                  | 1153 | -0.8  | -24  |    |                 | 1115 | -0.9 | -27 |  |                  | 1050 | -0.9 | -27 |  |
|                 | 1738 | 16.1  | 491  |    |                  | 1723 | 14.5  | 442  |    |                 | 1218 | -0.7  | -21  |    |                  | 1811 | 16.1  | 491  |    |                 | 1733 | 15.8 | 482 |  |                  | 1703 | 16.5 | 503 |  |
|                 | 2341 | 0.1   | 3    |    |                  | 2327 | 1.4   | 43   |    |                 | 1840 | 15.8  | 482  |    |                  |      |       |      |    |                 | 2341 | -0.8 | -24 |  |                  | 2316 | -1.5 | -46 |  |
| <b>6</b><br>Mar | 551  | 16.2  | 494  |    | <b>21</b><br>Mié | 532  | 14.7  | 448  |    | <b>6</b><br>Vie | 46   | -0.1  | -3   |    | <b>21</b><br>Sáb | 19   | -0.8  | -24  |    | <b>6</b><br>Vie | 548  | 15.2 | 463 |  | <b>21</b><br>Sáb | 525  | 15.8 | 482 |  |
|                 | 1159 | -1.0  | -30  |    |                  | 1141 | 0.2   | 6    |    |                 | 652  | 14.8  | 451  |    |                  | 626  | 15.2  | 463  |    |                 | 1151 | -0.4 | -12 |  |                  | 1128 | -1.0 | -30 |  |
|                 | 1826 | 16.1  | 491  |    |                  | 1801 | 15.0  | 457  |    |                 | 1257 | 0.2   | 6    |    |                  | 1231 | -0.5  | -15  |    |                 | 1807 | 15.5 | 472 |  |                  | 1742 | 16.7 | 509 |  |
|                 |      |       |      |    |                  |      |       |      |    |                 | 1915 | 15.2  | 463  |    |                  | 1848 | 16.0  | 488  |    |                 |      |      |     |  |                  | 2355 | -1.7 | -52 |  |
| <b>7</b><br>Mié | 28   | 0.3   | 9    |    | <b>22</b><br>Jue | 4    | 1.0   | 30   |    | <b>7</b><br>Sáb | 126  | 0.7   | 21   |    | <b>22</b><br>Dom | 59   | -0.6  | -18  |    | <b>7</b><br>Sáb | 17   | -0.4 | -12 |  | <b>22</b><br>Dom | 605  | 15.7 | 479 |  |
|                 | 637  | 15.7  | 479  |    |                  | 610  | 14.8  | 451  |    |                 | 728  | 14.0  | 427  |    |                  | 705  | 14.8  | 451  |    |                 | 622  | 14.7 | 448 |  |                  | 1208 | -0.7 | -21 |  |
|                 | 1243 | -0.3  | -9   |    |                  | 1217 | 0.2   | 6    |    |                 | 1336 | 1.3   | 40   |    |                  | 1312 | 0.2   | 6    |    |                 | 1226 | 0.4  | 12  |  |                  | 1823 | 16.4 | 500 |  |
|                 | 1910 | 15.8  | 482  |    |                  | 1838 | 15.2  | 463  |    |                 | 1949 | 14.4  | 439  |    |                  | 1926 | 15.6  | 475  |    |                 | 1839 | 15.0 | 457 |  |                  |      |      |     |  |



## Amador, Océano Pacífico 2026

### Horas y Niveles de Mareas Altas y Bajas

Estación ID: AMA / (8.917133 N/-79.535161 O) / Tipo de estación: Armónica (primaria) / Zona horaria: UTC -5h / Datum: MLWS

| Abril   |       |      |      | Mayo  |      |      |       | Junio  |      |       |      |   |       |      |      |                 |      |      |     |                  |      |      |     |      |      |     |
|---|-------|------|------|---|------|------|-------|--|------|-------|------|---|-------|------|------|-----------------|------|------|-----|------------------|------|------|-----|------|------|-----|
| Hora  | Nivel |      | Hora | Nivel   |      | Hora | Nivel |  | Hora | Nivel |      | Hora  | Nivel |      |      |                 |      |      |     |                  |      |      |     |      |      |     |
|   | h     | m    | pies | cm  | h    | m    | pies  | cm   | h    | m     | pies | cm  | h     | m    | pies | cm              |      |      |     |                  |      |      |     |      |      |     |
| <b>1</b><br>Mié<br> | 331   | 14.5 | 442  | <b>16</b><br>Jue  | 254  | 14.2 | 433   | <b>1</b><br>Vie<br> | 345  | 14.4  | 439  | <b>16</b><br>Sáb<br> | 306   | 15.2 | 463  | <b>1</b><br>Lun | 433  | 14.1 | 430 | <b>16</b><br>Mar | 428  | 16.1 | 491 |      |      |     |
|   | 935   | 0.4  | 12   |   | 900  | 1.1  | 34    |  | 947  | 1.8   | 55   |   | 912   | 1.1  | 34   |                 | 1040 | 3.0  | 91  |                  | 1038 | 0.7  | 21  |      |      |     |
|   | 1549  | 15.2 | 463  |   | 1507 | 15.6 | 475   |  | 1554 | 15.0  | 457  |   | 1517  | 16.6 | 506  |                 | 1640 | 14.4 | 439 |                  | 1646 | 16.9 | 515 | 1646 | 16.9 | 515 |
|   | 2202  | 0.0  | 0    |   | 2130 | 0.1  | 3     |  | 2214 | 0.7   | 21   |   | 2144  | -0.6 | -18  |                 | 2301 | 1.7  | 52  |                  | 2304 | -0.9 | -27 | 2304 | -0.9 | -27 |
| <b>2</b><br>Jue   | 411   | 14.9 | 454  | <b>17</b><br>Vie<br> | 336  | 15.1 | 460   | <b>2</b><br>Sáb  | 421  | 14.5  | 442  | <b>17</b><br>Dom  | 353   | 15.9 | 485  | <b>2</b><br>Mar | 510  | 14.0 | 427 | <b>17</b><br>Mié | 524  | 16.3 | 497 |      |      |     |
|   | 1013  | 0.2  | 6    |   | 942  | 0.2  | 6     |  | 1024 | 1.8   | 55   |   | 1000  | 0.5  | 15   |                 | 1115 | 3.1  | 94  |                  | 1130 | 0.6  | 18  |      |      |     |
|   | 1626  | 15.5 | 472  |   | 1549 | 16.4 | 500   |  | 1629 | 15.0  | 457  |   | 1606  | 17.0 | 518  |                 | 1717 | 14.4 | 439 |                  | 1741 | 16.8 | 512 | 1741 | 16.8 | 512 |
|   | 2239  | -0.4 | -12  |   | 2210 | -1.0 | -30   |  | 2249 | 0.6   | 18   |   | 2230  | -1.1 | -34  |                 | 2335 | 1.8  | 55  |                  | 2352 | -0.7 | -21 | 2352 | -0.7 | -21 |
| <b>3</b><br>Vie   | 447   | 15.0 | 457  | <b>18</b><br>Sáb  | 418  | 15.8 | 482   | <b>3</b><br>Dom  | 455  | 14.5  | 442  | <b>18</b><br>Lun  | 441   | 16.2 | 494  | <b>3</b><br>Mié | 547  | 14.0 | 427 | <b>18</b><br>Jue | 619  | 16.4 | 500 |      |      |     |
|   | 1049  | 0.3  | 9    |   | 1023 | -0.3 | -9    |  | 1059 | 2.0   | 61   |   | 1049  | 0.3  | 9    |                 | 1150 | 3.3  | 101 |                  | 1221 | 0.8  | 24  |      |      |     |
|   | 1700  | 15.4 | 469  |   | 1632 | 16.9 | 515   |  | 1703 | 14.8  | 451  |   | 1657  | 17.0 | 518  |                 | 1754 | 14.2 | 433 |                  | 1834 | 16.4 | 500 |      |      |     |
|   | 2314  | -0.4 | -12  |   | 2251 | -1.6 | -49   |  | 2322 | 0.9   | 27   |   | 2316  | -1.2 | -37  |                 |      |      |     |                  |      |      |     |      |      |     |
| <b>4</b><br>Sáb   | 521   | 14.8 | 451  | <b>19</b><br>Dom  | 501  | 16.1 | 491   | <b>4</b><br>Lun  | 529  | 14.2  | 433  | <b>19</b><br>Mar  | 532   | 16.2 | 494  | <b>4</b><br>Jue | 9    | 2.1  | 64  | <b>19</b><br>Vie | 42   | -0.2 | -6  |      |      |     |
|   | 1123  | 0.7  | 21   |   | 1106 | -0.5 | -15   |  | 1133 | 2.4   | 73   |   | 1138  | 0.4  | 12   |                 | 626  | 13.9 | 424 |                  | 713  | 16.2 | 494 |      |      |     |
|   | 1733  | 15.2 | 463  |   | 1716 | 17.0 | 518   |  | 1737 | 14.5  | 442  |   | 1750  | 16.7 | 509  |                 | 1227 | 3.5  | 107 |                  | 1314 | 1.3  | 40  |      |      |     |
|   | 2348  | 0.0  | 0    |   | 2333 | -1.7 | -52   |  | 2355 | 1.3   | 40   |   |       |      |      |                 | 1832 | 14.0 | 427 |                  | 1926 | 15.8 | 482 |      |      |     |
| <b>5</b><br>Dom   | 554   | 14.5 | 442  | <b>20</b><br>Lun  | 546  | 16.0 | 488   | <b>5</b><br>Mar  | 604  | 13.9  | 424  | <b>20</b><br>Mié  | 4     | -0.8 | -24  | <b>5</b><br>Vie | 45   | 2.5  | 76  | <b>20</b><br>Sáb | 133  | 0.7  | 21  |      |      |     |
|   | 1157  | 1.3  | 40   |   | 1150 | -0.2 | -6    |  | 1207 | 2.8   | 85   |   | 626   | 15.9 | 485  |                 | 707  | 13.7 | 418 |                  | 804  | 15.8 | 482 |      |      |     |
|   | 1805  | 14.7 | 448  |   | 1803 | 16.6 | 506   |  | 1812 | 14.1  | 430  |   | 1230  | 0.9  | 27   |                 | 1307 | 3.8  | 116 |                  | 1408 | 1.9  | 58  |      |      |     |
|   |       |      |      |   |      |      |       |  |      |       |      |   | 1844  | 16.1 | 491  |                 | 1911 | 13.7 | 418 |                  | 2016 | 14.9 | 454 |      |      |     |
| <b>6</b><br>Lun   | 21    | 0.6  | 18   | <b>21</b><br>Mar  | 17   | -1.2 | -37   | <b>6</b><br>Mié  | 28   | 1.9   | 58   | <b>21</b><br>Jue  | 54    | 0.0  | 0    | <b>6</b><br>Sáb | 125  | 3.0  | 91  | <b>21</b><br>Dom | 227  | 1.7  | 52  |      |      |     |
|   | 627   | 13.9 | 424  |   | 634  | 15.6 | 475   |  | 641  | 13.5  | 411  |   | 723   | 15.5 | 472  |                 | 749  | 13.6 | 415 |                  | 854  | 15.2 | 463 |      |      |     |
|   | 1231  | 2.0  | 61   |   | 1239 | 0.5  | 15    |  | 1244 | 3.4   | 104  |   | 1326  | 1.7  | 52   |                 | 1353 | 4.1  | 125 |                  | 1504 | 2.6  | 79  |      |      |     |
|   | 1837  | 14.1 | 430  |   | 1851 | 15.9 | 485   |  | 1848 | 13.6  | 415  |   | 1938  | 15.3 | 466  |                 | 1952 | 13.3 | 405 |                  | 2109 | 13.9 | 424 |      |      |     |
| <b>7</b><br>Mar   | 54    | 1.4  | 43   | <b>22</b><br>Mié  | 105  | -0.2 | -6    | <b>7</b><br>Jue  | 104  | 2.6   | 79   | <b>22</b><br>Vie  | 150   | 1.0  | 30   | <b>7</b><br>Dom | 211  | 3.5  | 107 | <b>22</b><br>Lun | 323  | 2.7  | 82  |      |      |     |
|   | 702   | 13.2 | 402  |   | 726  | 14.8 | 451   |  | 722  | 13.0  | 396  |   | 821   | 14.9 | 454  |                 | 833  | 13.5 | 411 |                  | 945  | 14.5 | 442 |      |      |     |
|   | 1306  | 2.9  | 88   |   | 1332 | 1.5  | 46    |  | 1324 | 4.0   | 122  |   | 1426  | 2.5  | 76   |                 | 1443 | 4.3  | 131 |                  | 1601 | 3.1  | 94  |      |      |     |
|   | 1911  | 13.4 | 408  |   | 1944 | 14.9 | 454   |  | 1928 | 13.1  | 399  |   | 2036  | 14.4 | 439  |                 | 2038 | 12.9 | 393 |                  | 2209 | 13.0 | 396 |      |      |     |

|                         |                             |                            |                          |                         |                             |                            |                         |                         |                             |                            |                          |                         |                             |                            |                          |                         |                             |                             |                          |                         |                             |                            |                          |  |  |
|-------------------------|-----------------------------|----------------------------|--------------------------|-------------------------|-----------------------------|----------------------------|-------------------------|-------------------------|-----------------------------|----------------------------|--------------------------|-------------------------|-----------------------------|----------------------------|--------------------------|-------------------------|-----------------------------|-----------------------------|--------------------------|-------------------------|-----------------------------|----------------------------|--------------------------|--|--|
| <b>8</b><br><b>Mié</b>  | 130<br>740<br>1346<br>1949  | 2.3<br>12.5<br>3.7<br>12.6 | 70<br>381<br>113<br>384  | <b>23</b><br><b>Jue</b> | 200<br>825<br>1434<br>2044  | 1.0<br>13.9<br>2.6<br>13.8 | 30<br>424<br>79<br>421  | <b>8</b><br><b>Vie</b>  | 146<br>807<br>1412<br>2012  | 3.3<br>12.6<br>4.5<br>12.5 | 101<br>384<br>137<br>381 | <b>23</b><br><b>Sáb</b> | 251<br>921<br>1531<br>2138  | 2.0<br>14.4<br>3.1<br>13.5 | 61<br>439<br>94<br>411   | <b>8</b><br><b>Lun</b>  | 303<br>920<br>1539<br>2131  | 3.8<br>13.5<br>4.3<br>12.5  | 116<br>411<br>131<br>381 | <b>23</b><br><b>Mar</b> | 420<br>1041<br>1659<br>2320 | 3.5<br>13.9<br>3.5<br>12.5 | 107<br>424<br>107<br>381 |  |  |
| <b>9</b><br><b>Jue</b>  | 212<br>825<br>1434<br>2034  | 3.3<br>11.8<br>4.5<br>11.8 | 101<br>360<br>137<br>360 | <b>24</b><br><b>Vie</b> | 304<br>934<br>1544<br>2155  | 2.1<br>13.2<br>3.3<br>12.9 | 64<br>402<br>101<br>393 | <b>9</b><br><b>Sáb</b>  | 237<br>858<br>1508<br>2105  | 4.0<br>12.3<br>4.9<br>12.0 | 122<br>375<br>149<br>366 | <b>24</b><br><b>Dom</b> | 355<br>1024<br>1636<br>2250 | 2.8<br>14.0<br>3.4<br>12.9 | 85<br>427<br>104<br>393  | <b>9</b><br><b>Mar</b>  | 359<br>1012<br>1635<br>2236 | 4.0<br>13.6<br>4.0<br>12.4  | 122<br>415<br>122<br>378 | <b>24</b><br><b>Mié</b> | 517<br>1142<br>1757         | 4.1<br>13.4<br>3.8         | 125<br>408<br>116        |  |  |
| <b>10</b><br><b>Vie</b> | 305<br>924<br>1533<br>2135  | 4.1<br>11.2<br>5.1<br>11.1 | 125<br>341<br>155<br>338 | <b>25</b><br><b>Sáb</b> | 416<br>1051<br>1658<br>2317 | 2.9<br>12.9<br>3.7<br>12.5 | 88<br>393<br>113<br>381 | <b>10</b><br><b>Dom</b> | 337<br>957<br>1612<br>2210  | 4.4<br>12.2<br>5.0<br>11.7 | 134<br>372<br>152<br>357 | <b>25</b><br><b>Lun</b> | 459<br>1128<br>1739         | 3.3<br>13.8<br>3.5         | 101<br>421<br>107        | <b>10</b><br><b>Mié</b> | 455<br>1109<br>1733<br>2348 | 4.0<br>13.9<br>3.6<br>12.6  | 122<br>424<br>110<br>384 | <b>25</b><br><b>Jue</b> | 29<br>615<br>1241<br>1856   | 12.4<br>4.5<br>13.3<br>3.8 | 378<br>137<br>405<br>116 |  |  |
| <b>11</b><br><b>Sáb</b> | 411<br>1038<br>1644<br>2255 | 4.6<br>11.0<br>5.3<br>10.9 | 140<br>335<br>162<br>332 | <b>26</b><br><b>Dom</b> | 529<br>1204<br>1810         | 3.2<br>13.2<br>3.5         | 98<br>402<br>107        | <b>11</b><br><b>Lun</b> | 440<br>1100<br>1716<br>2325 | 4.4<br>12.5<br>4.7<br>11.8 | 134<br>381<br>143<br>360 | <b>26</b><br><b>Mar</b> | 4<br>600<br>1228<br>1839    | 12.7<br>3.6<br>13.8<br>3.3 | 387<br>110<br>421<br>101 | <b>11</b><br><b>Jue</b> | 552<br>1208<br>1833         | 3.8<br>14.4<br>2.9          | 116<br>439<br>88         | <b>26</b><br><b>Vie</b> | 125<br>713<br>1333<br>1954  | 12.6<br>4.6<br>13.3<br>3.5 | 384<br>140<br>405<br>107 |  |  |
| <b>12</b><br><b>Dom</b> | 524<br>1151<br>1758         | 4.6<br>11.4<br>4.9         | 140<br>347<br>149        | <b>27</b><br><b>Lun</b> | 35<br>636<br>1306<br>1915   | 12.7<br>3.0<br>13.6<br>2.9 | 387<br>91<br>415<br>88  | <b>12</b><br><b>Mar</b> | 541<br>1200<br>1818         | 4.1<br>13.1<br>3.9         | 125<br>399<br>119        | <b>27</b><br><b>Mié</b> | 107<br>657<br>1321<br>1935  | 12.9<br>3.7<br>14.0<br>3.0 | 393<br>113<br>427<br>91  | <b>12</b><br><b>Vie</b> | 53<br>651<br>1305<br>1932   | 13.3<br>3.3<br>15.0<br>2.0  | 405<br>101<br>457<br>61  | <b>27</b><br><b>Sáb</b> | 213<br>810<br>1419<br>2046  | 12.9<br>4.5<br>13.5<br>3.1 | 393<br>137<br>411<br>94  |  |  |
| <b>13</b><br><b>Lun</b> | 16<br>633<br>1252<br>1907   | 11.3<br>4.1<br>12.2<br>4.1 | 344<br>125<br>372<br>125 | <b>28</b><br><b>Mar</b> | 136<br>734<br>1356<br>2010  | 13.2<br>2.7<br>14.2<br>2.2 | 402<br>82<br>433<br>67  | <b>13</b><br><b>Mié</b> | 34<br>639<br>1254<br>1916   | 12.4<br>3.6<br>14.0<br>2.9 | 378<br>110<br>427<br>88  | <b>28</b><br><b>Jue</b> | 158<br>750<br>1406<br>2026  | 13.3<br>3.6<br>14.1<br>2.5 | 405<br>110<br>430<br>76  | <b>13</b><br><b>Sáb</b> | 149<br>751<br>1400<br>2030  | 14.1<br>2.7<br>15.7<br>1.0  | 430<br>82<br>479<br>30   | <b>28</b><br><b>Dom</b> | 255<br>901<br>1502<br>2130  | 13.2<br>4.2<br>13.7<br>2.7 | 402<br>128<br>418<br>82  |  |  |
| <b>14</b><br><b>Mar</b> | 120<br>730<br>1341<br>2002  | 12.1<br>3.2<br>13.3<br>2.8 | 369<br>98<br>405<br>85   | <b>29</b><br><b>Mié</b> | 225<br>824<br>1439<br>2056  | 13.7<br>2.3<br>14.6<br>1.5 | 418<br>70<br>445<br>46  | <b>14</b><br><b>Jue</b> | 131<br>732<br>1343<br>2009  | 13.3<br>2.8<br>15.0<br>1.6 | 405<br>85<br>457<br>49   | <b>29</b><br><b>Vie</b> | 241<br>839<br>1447<br>2110  | 13.6<br>3.4<br>14.3<br>2.1 | 415<br>104<br>436<br>64  | <b>14</b><br><b>Dom</b> | 241<br>849<br>1454<br>2124  | 14.9<br>2.0<br>16.3<br>0.1  | 454<br>61<br>497<br>3    | <b>29</b><br><b>Lun</b> | 334<br>945<br>1542<br>2209  | 13.5<br>3.8<br>14.0<br>2.3 | 411<br>116<br>427<br>70  |  |  |
| <b>15</b><br><b>Mié</b> | 210<br>818<br>1425<br>2048  | 13.2<br>2.1<br>14.5<br>1.4 | 402<br>64<br>442<br>43   | <b>30</b><br><b>Jue</b> | 308<br>907<br>1518<br>2137  | 14.2<br>2.0<br>14.9<br>0.9 | 433<br>61<br>454<br>27  | <b>15</b><br><b>Vie</b> | 220<br>823<br>1430<br>2057  | 14.3<br>1.9<br>15.9<br>0.4 | 436<br>58<br>485<br>12   | <b>30</b><br><b>Sáb</b> | 320<br>922<br>1526<br>2150  | 13.9<br>3.2<br>14.4<br>1.8 | 424<br>98<br>439<br>55   | <b>15</b><br><b>Lun</b> | 334<br>945<br>1550<br>2215  | 15.6<br>1.2<br>16.7<br>-0.6 | 475<br>37<br>509<br>-18  | <b>30</b><br><b>Mar</b> | 413<br>1024<br>1622<br>2243 | 13.7<br>3.4<br>14.2<br>2.0 | 418<br>104<br>433<br>61  |  |  |
|                         |                             |                            |                          |                         |                             |                            |                         |                         |                             |                            |                          | <b>31</b><br><b>Dom</b> | 356<br>1002<br>1603<br>2227 | 14.0<br>3.1<br>14.4<br>1.7 | 427<br>94<br>439<br>52   |                         |                             |                             |                          |                         |                             |                            |                          |  |  |

Fuente: Canal de Panamá (HIAM)

Jorge F. Rodríguez C.



Luna Nueva



Cuarto Creciente



Luna Llena



Cuarto Menguante

## Amador, Océano Pacífico 2026

### Horas y Niveles de Mareas Altas y Bajas

Estación ID: AMA / (8.917133 N/-79.535161 O) / Tipo de estación: Armónica (primaria) / Zona horaria: UTC -5h / Datum: MLWS

| Julio           |       |      |      | Agosto |                  |      |       | Septiembre |      |                 |      |      |       |    |
|-----------------|-------|------|------|--------|------------------|------|-------|------------|------|-----------------|------|------|-------|----|
| Hora            | Nivel |      | Hora | Nivel  |                  | Hora | Nivel |            | Hora | Nivel           |      | Hora | Nivel |    |
|                 | h     | m    | pies | cm     |                  | h    | m     | pies       | cm   |                 | h    | m    | pies  | cm |
| <b>1</b><br>Mié | 452   | 14.0 | 427  |        | <b>16</b><br>Jue | 513  | 16.6  | 506        |      | <b>1</b><br>Sáb | 545  | 15.2 | 463   |    |
|                 | 1100  | 3.2  | 98   |        |                  | 1119 | 0.2   | 6          |      |                 | 1149 | 1.8  | 55    |    |
|                 | 1700  | 14.4 | 439  |        |                  | 1729 | 16.9  | 515        |      |                 | 1754 | 15.1 | 460   |    |
|                 | 2317  | 1.8  | 55   |        |                  | 2338 | -1.0  | -30        |      |                 |      |      |       |    |
| <b>2</b><br>Jue | 531   | 14.2 | 433  |        | <b>17</b><br>Vie | 604  | 16.8  | 512        |      | <b>2</b><br>Dom | 0    | 1.1  | 34    |    |
|                 | 1135  | 3.0  | 91   |        |                  | 1206 | 0.2   | 6          |      |                 | 621  | 15.5 | 472   |    |
|                 | 1738  | 14.5 | 442  |        |                  | 1818 | 16.6  | 506        |      |                 | 1224 | 1.7  | 52    |    |
|                 | 2350  | 1.8  | 55   |        |                  | 1818 | 16.6  | 506        |      |                 | 1830 | 15.0 | 457   |    |
| <b>3</b><br>Vie | 610   | 14.4 | 439  |        | <b>18</b><br>Sáb | 23   | -0.5  | -15        |      | <b>3</b><br>Lun | 36   | 1.3  | 40    |    |
|                 | 1211  | 2.9  | 88   |        |                  | 651  | 16.7  | 509        |      |                 | 656  | 15.6 | 475   |    |
|                 | 1816  | 14.5 | 442  |        |                  | 1253 | 0.6   | 18         |      |                 | 1303 | 1.7  | 52    |    |
|                 |       |      |      |        |                  | 1904 | 16.0  | 488        |      |                 | 1906 | 14.7 | 448   |    |

|                  |                             |                             |                          |                  |                             |                            |                          |                  |                             |                              |                          |                  |                             |                            |                          |                  |                             |                              |                         |                  |                             |                             |                          |
|------------------|-----------------------------|-----------------------------|--------------------------|------------------|-----------------------------|----------------------------|--------------------------|------------------|-----------------------------|------------------------------|--------------------------|------------------|-----------------------------|----------------------------|--------------------------|------------------|-----------------------------|------------------------------|-------------------------|------------------|-----------------------------|-----------------------------|--------------------------|
| <b>8</b><br>Mié  | 321<br>930<br>1557<br>2155  | 3.5<br>14.3<br>3.3<br>12.7  | 107<br>436<br>101<br>387 | <b>23</b><br>Jue | 432<br>1047<br>1711<br>2342 | 4.5<br>12.8<br>4.2<br>11.7 | 137<br>390<br>128<br>357 | <b>8</b><br>Sáb  | 449<br>1106<br>1733         | 4.0<br>13.5<br>3.3           | 122<br>411<br>101        | <b>23</b><br>Dom | 8<br>557<br>1226<br>1848    | 11.2<br>5.7<br>11.7<br>4.9 | 341<br>174<br>357<br>149 | <b>8</b><br>Mar  | 110<br>717<br>1334<br>1951  | 13.4<br>3.5<br>14.1<br>2.2   | 408<br>107<br>430<br>67 | <b>23</b><br>Mié | 126<br>740<br>1349<br>2005  | 12.4<br>4.8<br>12.7<br>3.8  | 378<br>146<br>387<br>116 |
| <b>9</b><br>Jue  | 416<br>1025<br>1655<br>2308 | 3.7<br>14.1<br>3.2<br>12.6  | 113<br>430<br>98<br>384  | <b>24</b><br>Vie | 531<br>1156<br>1815         | 5.1<br>12.4<br>4.4         | 155<br>378<br>134        | <b>9</b><br>Dom  | 4<br>602<br>1226<br>1849    | 12.6<br>4.0<br>13.7<br>2.9   | 384<br>122<br>418<br>88  | <b>24</b><br>Lun | 112<br>713<br>1329<br>1955  | 11.6<br>5.5<br>12.2<br>4.2 | 354<br>168<br>372<br>128 | <b>9</b><br>Mié  | 210<br>823<br>1432<br>2046  | 14.5<br>2.3<br>15.1<br>1.1   | 442<br>70<br>460<br>34  | <b>24</b><br>Jue | 210<br>828<br>1433<br>2045  | 13.4<br>3.7<br>11.3<br>2.8  | 408<br>113<br>415<br>85  |
| <b>10</b><br>Vie | 515<br>1131<br>1757         | 3.8<br>14.1<br>3.0          | 116<br>430<br>91         | <b>25</b><br>Sáb | 50<br>635<br>1300<br>1923   | 11.8<br>5.3<br>12.4<br>4.3 | 360<br>162<br>378<br>131 | <b>10</b><br>Lun | 116<br>720<br>1336<br>2002  | 13.3<br>3.5<br>14.4<br>2.0   | 405<br>107<br>439<br>61  | <b>25</b><br>Mar | 203<br>816<br>1419<br>2044  | 12.3<br>4.7<br>12.9<br>3.4 | 375<br>143<br>393<br>104 | <b>10</b><br>Jue | 301<br>915<br>1523<br>2133  | 15.6<br>1.1<br>15.9<br>0.1   | 475<br>34<br>485<br>3   | <b>25</b><br>Vie | 249<br>908<br>1511<br>2120  | 14.4<br>2.6<br>14.5<br>1.9  | 439<br>79<br>442<br>58   |
| <b>11</b><br>Sáb | 22<br>620<br>1239<br>1905   | 12.9<br>3.7<br>14.5<br>2.5  | 393<br>113<br>442<br>76  | <b>26</b><br>Dom | 144<br>742<br>1355<br>2023  | 12.1<br>5.1<br>12.7<br>3.8 | 369<br>155<br>387<br>116 | <b>11</b><br>Mar | 218<br>831<br>1438<br>2101  | 14.3<br>2.5<br>15.3<br>0.8   | 436<br>76<br>466<br>24   | <b>26</b><br>Mié | 246<br>903<br>1501<br>2121  | 13.1<br>3.8<br>13.6<br>2.5 | 399<br>116<br>415<br>76  | <b>11</b><br>Vie | 348<br>1000<br>1608<br>2214 | 16.4<br>0.1<br>16.4<br>-0.3  | 500<br>3<br>500<br>-9   | <b>26</b><br>Sáb | 326<br>943<br>1548<br>2155  | 15.3<br>1.4<br>15.2<br>1.1  | 466<br>43<br>463<br>34   |
| <b>12</b><br>Dom | 127<br>729<br>1342<br>2011  | 13.6<br>3.2<br>15.0<br>1.6  | 415<br>98<br>457<br>49   | <b>27</b><br>Lun | 230<br>841<br>1441<br>2110  | 12.6<br>4.6<br>13.2<br>3.1 | 384<br>140<br>92<br>404  | <b>12</b><br>Mié | 314<br>929<br>1534<br>2151  | 15.3<br>1.3<br>16.1<br>-0.3  | 466<br>40<br>491<br>-9   | <b>27</b><br>Jue | 325<br>940<br>1540<br>2155  | 13.9<br>2.9<br>14.3<br>1.7 | 424<br>88<br>436<br>52   | <b>12</b><br>Sáb | 430<br>1041<br>1649<br>2253 | 16.8<br>-0.4<br>16.5<br>-0.3 | 512<br>-12<br>503<br>-9 | <b>27</b><br>Dom | 402<br>1018<br>1624<br>2229 | 16.1<br>0.4<br>15.8<br>0.6  | 491<br>12<br>482<br>18   |
| <b>13</b><br>Lun | 226<br>837<br>1442<br>2111  | 14.5<br>2.4<br>15.7<br>0.6  | 442<br>73<br>479<br>18   | <b>28</b><br>Mar | 312<br>927<br>1524<br>2149  | 13.1<br>3.9<br>13.7<br>2.4 | 399<br>119<br>418<br>73  | <b>13</b><br>Jue | 407<br>1018<br>1625<br>2235 | 16.2<br>3.9<br>16.6<br>-0.9  | 494<br>9<br>506<br>-27   | <b>28</b><br>Vie | 402<br>1015<br>1617<br>2227 | 14.7<br>2.0<br>14.9<br>1.0 | 448<br>61<br>454<br>30   | <b>13</b><br>Dom | 510<br>1120<br>1729<br>2331 | 16.9<br>-0.5<br>16.3<br>0.1  | 515<br>-15<br>497<br>3  | <b>28</b><br>Lun | 439<br>1054<br>1702<br>2306 | 16.7<br>-0.2<br>16.1<br>0.4 | 509<br>-6<br>491<br>12   |
| <b>14</b><br>Mar | 322<br>936<br>1541<br>2204  | 15.3<br>1.5<br>16.3<br>-0.3 | 466<br>46<br>497<br>-9   | <b>29</b><br>Mié | 352<br>1005<br>1603<br>2223 | 13.6<br>3.3<br>14.2<br>1.8 | 415<br>101<br>433<br>55  | <b>14</b><br>Vie | 455<br>1102<br>1712<br>2317 | 16.8<br>-0.3<br>16.8<br>-1.0 | 512<br>-9<br>512<br>-30  | <b>29</b><br>Sáb | 438<br>1048<br>1653<br>2259 | 15.4<br>1.2<br>15.4<br>0.6 | 469<br>37<br>469<br>18   | <b>14</b><br>Lun | 547<br>1157<br>1805         | 16.6<br>-0.1<br>15.8         | 506<br>-3<br>482        | <b>29</b><br>Mar | 517<br>1131<br>1740<br>2344 | 16.9<br>-0.5<br>16.1<br>0.5 | 515<br>-15<br>491<br>15  |
| <b>15</b><br>Mié | 419<br>1030<br>1637<br>2252 | 16.0<br>0.7<br>16.7<br>-0.9 | 488<br>21<br>509<br>-27  | <b>30</b><br>Jue | 431<br>1040<br>1641<br>2255 | 14.2<br>2.7<br>14.6<br>1.4 | 433<br>82<br>445<br>43   | <b>15</b><br>Sáb | 540<br>1145<br>1755<br>2358 | 17.0<br>-0.4<br>16.6<br>-0.5 | 518<br>-12<br>506<br>-15 | <b>30</b><br>Dom | 514<br>1122<br>1729<br>2333 | 16.0<br>0.6<br>15.6<br>0.5 | 488<br>18<br>475<br>15   | <b>15</b><br>Mar | 8<br>622<br>1234<br>1841    | 0.9<br>15.9<br>0.7<br>15.0   | 27<br>485<br>215<br>457 | <b>30</b><br>Mié | 556<br>1210<br>1821         | 16.7<br>-0.2<br>15.8        | 509<br>-6<br>482         |
|                  |                             |                             |                          | <b>31</b><br>Vie | 509<br>1114<br>1718<br>2327 | 14.7<br>2.2<br>14.9<br>1.1 | 448<br>67<br>454<br>34   |                  |                             |                              |                          | <b>31</b><br>Lun | 549<br>1157<br>1805         | 16.3<br>0.4<br>15.6        | 497<br>12<br>475         |                  |                             |                              |                         |                  |                             |                             |                          |

Fuente: Canal de Panamá (HIAM)

Jorge F. Rodríguez C.



Luna Nueva



Cuarto Creciente



Luna Llena



Cuarto Menguante

## Amador, Océano Pacífico 2026

### Horas y Niveles de Mareas Altas y Bajas

Estación ID: AMA / (8.917133 N/-79.535161 O) / Tipo de estación: Armónica (primaria) / Zona horaria: UTC -5h / Datum: MLWS

| Octubre         |      |       |      | Noviembre |                  |       |      | Diciembre |    |                 |      |      |      |       |                  |      |      |     |  |                 |      |      |     |  |                  |      |      |     |  |
|-----------------|------|-------|------|-----------|------------------|-------|------|-----------|----|-----------------|------|------|------|-------|------------------|------|------|-----|--|-----------------|------|------|-----|--|------------------|------|------|-----|--|
| Hora            |      | Nivel |      | Hora      |                  | Nivel |      | Hora      |    | Nivel           |      | Hora |      | Nivel |                  |      |      |     |  |                 |      |      |     |  |                  |      |      |     |  |
|                 | h    | m     | pies | cm        |                  | h     | m    | pies      | cm |                 | h    | m    | pies | cm    |                  |      |      |     |  |                 |      |      |     |  |                  |      |      |     |  |
| <b>1</b><br>Jue | 26   | 1.1   | 34   |           | <b>16</b><br>Vie | 55    | 3.5  | 107       |    | <b>1</b><br>Dom | 203  | 2.8  | 85   |       | <b>16</b><br>Lun | 158  | 4.8  | 146 |  |                 |      |      |     |  |                  |      |      |     |  |
|                 | 638  | 16.2  | 494  |           |                  | 659   | 14.0 | 427       |    |                 | 813  | 14.5 | 442  |       |                  | 756  | 12.8 | 390 |  | <b>1</b><br>Mar | 903  | 14.1 | 430 |  |                  |      |      |     |  |
|                 | 1253 | 0.5   | 15   |           |                  | 1317  | 3.0  | 91        |    |                 | 1430 | 2.4  | 73   |       |                  | 1418 | 4.3  | 131 |  |                 | 1518 | 2.5  | 76  |  |                  |      |      |     |  |
|                 | 1905 | 15.1  | 460  |           |                  | 1928  | 13.3 | 405       |    |                 | 2059 | 14.1 | 430  |       |                  | 2039 | 12.8 | 390 |  |                 | 2146 | 14.5 | 442 |  |                  |      |      |     |  |
|                 |      |       |      |           |                  |       |      |           |    |                 |      |      |      |       |                  |      |      |     |  |                 |      |      |     |  |                  |      |      |     |  |
| <b>2</b><br>Vie | 113  | 2.0   | 61   |           | <b>17</b><br>Sáb | 136   | 4.4  | 134       |    | <b>2</b><br>Lun | 311  | 3.6  | 110  |       | <b>17</b><br>Mar | 252  | 5.2  | 158 |  | <b>2</b><br>Mié | 401  | 3.1  | 94  |  | <b>17</b><br>Jue | 311  | 4.1  | 125 |  |
|                 | 724  | 15.3  | 466  |           |                  | 738   | 13.2 | 402       |    |                 | 920  | 13.6 | 415  |       |                  | 846  | 12.2 | 372 |  |                 | 1011 | 13.3 | 405 |  |                  | 901  | 12.3 | 375 |  |
|                 | 1341 | 1.5   | 46   |           |                  | 1400  | 4.0  | 122       |    |                 | 1540 | 3.2  | 98   |       |                  | 1515 | 4.8  | 146 |  |                 | 1623 | 3.2  | 98  |  |                  | 1528 | 4.1  | 125 |  |
|                 | 1956 | 14.2  | 433  |           |                  | 2014  | 12.5 | 381       |    |                 | 2212 | 13.8 | 421  |       |                  | 2134 | 12.6 | 384 |  |                 | 2250 | 14.2 | 433 |  |                  | 2319 | 13.3 | 405 |  |
| <b>3</b><br>Sáb | 209  | 3.0   | 91   |           | <b>18</b><br>Dom | 225   | 5.2  | 158       |    | <b>3</b><br>Mar | 424  | 3.9  | 119  |       | <b>18</b><br>Mié | 353  | 5.3  | 162 |  | <b>3</b><br>Jue | 505  | 3.3  | 101 |  | <b>18</b><br>Vie | 406  | 4.1  | 125 |  |
|                 | 818  | 14.3  | 436  |           |                  | 824   | 12.3 | 375       |    |                 | 1039 | 13.1 | 399  |       |                  | 947  | 11.8 | 360 |  |                 | 1128 | 12.9 | 393 |  |                  | 1001 | 11.9 | 363 |  |
|                 | 1440 | 2.7   | 82   |           |                  | 1453  | 4.8  | 146       |    |                 | 1653 | 3.6  | 110  |       |                  | 1618 | 5.0  | 152 |  |                 | 1726 | 3.6  | 110 |  |                  | 1624 | 4.3  | 131 |  |
|                 | 2101 | 13.3  | 405  |           |                  | 2112  | 11.9 | 363       |    |                 | 2327 | 13.9 | 424  |       |                  | 2235 | 12.6 | 384 |  |                 | 2355 | 14.0 | 427 |  |                  | 2235 | 13.3 | 405 |  |
| <b>4</b><br>Dom | 316  | 3.9   | 119  |           | <b>19</b><br>Lun | 326   | 5.7  | 174       |    | <b>4</b><br>Mié | 536  | 3.8  | 116  |       | <b>19</b><br>Jue | 456  | 5.1  | 155 |  | <b>4</b><br>Vie | 607  | 3.2  | 98  |  | <b>19</b><br>Sáb | 503  | 3.8  | 116 |  |
|                 | 926  | 13.4  | 408  |           |                  | 924   | 11.7 | 357       |    |                 | 1201 | 13.2 | 402  |       |                  | 1103 | 11.7 | 357 |  |                 | 1239 | 13.0 | 396 |  |                  | 1115 | 11.9 | 363 |  |
|                 | 1552 | 3.5   | 107  |           |                  | 1600  | 5.4  | 165       |    |                 | 1802 | 3.5  | 107  |       |                  | 1719 | 4.9  | 149 |  |                 | 1827 | 3.8  | 116 |  |                  | 1722 | 4.2  | 128 |  |
|                 | 2224 | 12.8  | 390  |           |                  | 2223  | 11.7 | 357       |    |                 |      |      |      |       |                  | 2336 | 13.1 | 399 |  |                 |      |      |     |  |                  | 2337 | 13.5 | 411 |  |
| <b>5</b><br>Lun | 434  | 4.3   | 131  |           | <b>20</b><br>Mar | 436   | 5.9  | 180       |    | <b>5</b><br>Jue | 33   | 14.3 | 436  |       | <b>20</b><br>Vie | 556  | 4.5  | 137 |  | <b>5</b><br>Sáb | 54   | 14.0 | 427 |  | <b>20</b><br>Dom | 603  | 3.3  | 101 |  |
|                 | 1053 | 12.9  | 393  |           |                  | 1044  | 11.4 | 347       |    |                 | 642  | 3.2  | 98   |       |                  | 1216 | 12.2 | 372 |  |                 | 707  | 3.0  | 91  |  |                  | 1227 | 12.4 | 378 |  |
|                 | 1712 | 3.8   | 116  |           |                  | 1713  | 5.4  | 165       |    |                 | 1308 | 13.7 | 418  |       |                  | 1816 | 4.5  | 137 |  |                 | 1336 | 13.3 | 405 |  |                  | 1822 | 3.9  | 119 |  |
|                 | 2349 | 13.1  | 399  |           |                  | 2336  | 12.0 | 366       |    |                 | 1903 | 3.2  | 98   |       |                  |      |      |     |  |                 | 1925 | 3.7  | 113 |  |                  |      |      |     |  |
| <b>6</b><br>Mar | 554  | 4.1   | 125  |           | <b>21</b><br>Mié | 548   | 5.6  | 171       |    | <b>6</b><br>Vie | 128  | 14.8 | 451  |       | <b>21</b><br>Sáb | 32   | 13.8 | 421 |  | <b>6</b><br>Dom | 145  | 14.2 | 433 |  | <b>21</b><br>Lun | 39   | 14.0 | 427 |  |
|                 | 1219 | 13.2  | 402  |           |                  | 1207  | 11.7 | 357       |    |                 | 740  | 2.5  | 76   |       |                  | 653  | 3.6  | 110 |  |                 | 802  | 2.5  | 76  |  |                  | 704  | 2.6  | 79  |  |
|                 | 1828 | 3.3   | 101  |           |                  | 1819  | 5.0  | 152       |    |                 | 1401 | 14.3 | 436  |       |                  | 1314 | 13.0 | 396 |  |                 | 1423 | 13.7 | 418 |  |                  | 1327 | 13.2 | 402 |  |
|                 |      |       |      |           |                  |       |      |           |    |                 | 1957 | 2.8  | 85   |       |                  | 1910 | 3.8  | 116 |  |                 | 2018 | 3.5  | 107 |  |                  | 1924 | 3.3  | 101 |  |
| <b>7</b><br>Mié | 58   | 13.9  | 424  |           | <b>22</b><br>Jue | 37    | 12.7 | 387       |    | <b>7</b><br>Sáb | 214  | 15.2 | 463  |       | <b>22</b><br>Dom | 122  | 14.6 | 445 |  | <b>7</b><br>Lun | 230  | 14.3 | 436 |  | <b>22</b><br>Mar | 136  | 14.7 | 448 |  |
|                 | 706  | 3.3   | 101  |           |                  | 651   | 4.8  | 146       |    |                 | 830  | 1.8  | 55   |       |                  | 746  | 2.5  | 76  |  |                 | 851  | 2.1  | 64  |  |                  | 804  | 1.6  | 49  |  |
|                 | 1327 | 14.0  | 427  |           |                  | 1309  | 12.5 | 381       |    |                 | 1446 | 14.8 | 451  |       |                  | 1402 | 14.0 | 427 |  |                 | 1505 | 14.0 | 427 |  |                  | 1419 | 14.1 | 430 |  |
|                 | 1932 | 2.5   | 76   |           |                  | 1913  | 4.2  | 128       |    |                 | 2044 | 2.4  | 73   |       |                  | 2001 | 3.0  | 91  |  |                 | 2106 | 3.2  | 98  |  |                  | 2024 | 2.5  | 76  |  |

|                         |                             |                            |                        |                         |                             |                             |                          |                         |                             |                            |                          |                         |                             |                             |                         |                         |                             |                            |                         |                         |                             |                              |                         |
|-------------------------|-----------------------------|----------------------------|------------------------|-------------------------|-----------------------------|-----------------------------|--------------------------|-------------------------|-----------------------------|----------------------------|--------------------------|-------------------------|-----------------------------|-----------------------------|-------------------------|-------------------------|-----------------------------|----------------------------|-------------------------|-------------------------|-----------------------------|------------------------------|-------------------------|
| <b>8</b><br><b>Jue</b>  | 154<br>806<br>1420<br>2024  | 14.9<br>2.3<br>14.8<br>1.7 | 454<br>70<br>451<br>52 | <b>23</b><br><b>Vie</b> | 125<br>744<br>1357<br>2000  | 13.7<br>3.7<br>13.5<br>3.3  | 418<br>113<br>411<br>101 | <b>8</b><br><b>Dom</b>  | 256<br>914<br>1526<br>2127  | 15.5<br>1.2<br>15.2<br>2.2 | 472<br>37<br>463<br>67   | <b>23</b><br><b>Lun</b> | 208<br>835<br>1446<br>2050  | 15.4<br>1.3<br>14.9<br>2.1  | 469<br>40<br>454<br>64  | <b>8</b><br><b>Mar</b>  | 311<br>934<br>1543<br>2149  | 14.5<br>1.7<br>14.2<br>3.0 | 442<br>52<br>433<br>91  | <b>23</b><br><b>Mié</b> | 230<br>900<br>1510<br>2121  | 15.4<br>0.5<br>15.0<br>1.5   | 469<br>15<br>457<br>46  |
| <b>9</b><br><b>Vie</b>  | 241<br>855<br>1506<br>2109  | 15.7<br>1.2<br>15.5<br>1.1 | 479<br>37<br>472<br>34 | <b>24</b><br><b>Sáb</b> | 207<br>829<br>1438<br>2041  | 14.7<br>2.5<br>14.4<br>2.4  | 448<br>76<br>439<br>73   | <b>9</b><br><b>Lun</b>  | 334<br>954<br>1603<br>2207  | 15.6<br>0.8<br>15.3<br>2.1 | 475<br>24<br>466<br>64   | <b>24</b><br><b>Mar</b> | 254<br>921<br>1530<br>2138  | 16.2<br>0.3<br>15.7<br>1.4  | 494<br>9<br>479<br>43   | <b>9</b><br><b>Mié</b>  | 350<br>1013<br>1620<br>2229 | 14.5<br>1.4<br>14.3<br>2.8 | 442<br>43<br>436<br>85  | <b>24</b><br><b>Jue</b> | 325<br>951<br>1603<br>2215  | 16.1<br>-0.5<br>15.7<br>0.7  | 491<br>-15<br>479<br>21 |
| <b>10</b><br><b>Sáb</b> | 323<br>938<br>1547<br>2150  | 16.2<br>0.4<br>15.9<br>0.8 | 494<br>12<br>485<br>24 | <b>25</b><br><b>Dom</b> | 246<br>909<br>1517<br>2121  | 15.6<br>1.2<br>15.3<br>1.6  | 475<br>37<br>466<br>49   | <b>10</b><br><b>Mar</b> | 411<br>1031<br>1639<br>2244 | 15.6<br>0.8<br>15.2<br>2.2 | 475<br>24<br>463<br>67   | <b>25</b><br><b>Mié</b> | 341<br>1006<br>1617<br>2225 | 16.7<br>-0.5<br>16.2<br>0.8 | 509<br>-15<br>494<br>24 | <b>10</b><br><b>Jue</b> | 428<br>1049<br>1657<br>2305 | 14.5<br>1.4<br>14.3<br>2.8 | 442<br>43<br>436<br>85  | <b>25</b><br><b>Vie</b> | 419<br>1040<br>1657<br>2305 | 16.6<br>-1.2<br>16.3<br>0.1  | 506<br>-37<br>497<br>3  |
| <b>11</b><br><b>Dom</b> | 402<br>1017<br>1626<br>2229 | 16.5<br>0.0<br>16.1<br>0.8 | 503<br>0<br>491<br>24  | <b>26</b><br><b>Lun</b> | 326<br>948<br>1556<br>2201  | 16.4<br>0.2<br>16.0<br>0.9  | 500<br>6<br>488<br>27    | <b>11</b><br><b>Mié</b> | 447<br>1107<br>1714<br>2321 | 15.3<br>1.0<br>14.9<br>2.5 | 466<br>30<br>454<br>76   | <b>26</b><br><b>Jue</b> | 431<br>1051<br>1706<br>2314 | 17.0<br>-0.9<br>16.4<br>0.6 | 518<br>-27<br>500<br>18 | <b>11</b><br><b>Vie</b> | 505<br>1123<br>1734<br>2340 | 14.5<br>1.5<br>14.2<br>2.9 | 442<br>46<br>433<br>88  | <b>26</b><br><b>Sáb</b> | 514<br>1127<br>1750<br>2355 | 16.8<br>-1.4<br>16.6<br>-0.1 | 512<br>-43<br>506<br>-3 |
| <b>12</b><br><b>Lun</b> | 438<br>1054<br>1702<br>2306 | 16.4<br>0.0<br>15.9<br>1.2 | 500<br>0<br>485<br>37  | <b>27</b><br><b>Mar</b> | 407<br>1028<br>1637<br>2242 | 16.9<br>-0.5<br>16.4<br>0.6 | 515<br>-15<br>500<br>18  | <b>12</b><br><b>Jue</b> | 523<br>1141<br>1750<br>2356 | 15.0<br>1.5<br>14.6<br>2.2 | 457<br>46<br>445<br>91   | <b>27</b><br><b>Vie</b> | 522<br>1138<br>1758         | 16.9<br>-0.8<br>16.3        | 515<br>-24<br>497       | <b>12</b><br><b>Sáb</b> | 541<br>1156<br>1812         | 14.3<br>1.8<br>14.1        | 436<br>55<br>430        | <b>27</b><br><b>Dom</b> | 606<br>1214<br>1842         | 16.7<br>-1.2<br>16.6         | 509<br>-37<br>506       |
| <b>13</b><br><b>Mar</b> | 514<br>1129<br>1737<br>2342 | 16.0<br>0.4<br>15.5<br>1.8 | 488<br>12<br>472<br>55 | <b>28</b><br><b>Mié</b> | 450<br>1108<br>1720<br>2326 | 17.1<br>-0.8<br>16.4<br>0.7 | 521<br>-24<br>500<br>21  | <b>13</b><br><b>Vie</b> | 558<br>1215<br>1828         | 14.5<br>2.1<br>14.1        | 442<br>64<br>430         | <b>28</b><br><b>Sáb</b> | 3<br>615<br>1226<br>1852    | 0.8<br>16.5<br>-0.3<br>16.0 | 24<br>503<br>-9<br>488  | <b>13</b><br><b>Dom</b> | 16<br>617<br>1230<br>1850   | 3.1<br>14.1<br>2.2<br>4.0  | 94<br>430<br>67<br>427  | <b>28</b><br><b>Lun</b> | 45<br>656<br>1303<br>1932   | 0.2<br>16.2<br>-0.5<br>16.3  | 6<br>494<br>-15<br>497  |
| <b>14</b><br><b>Mié</b> | 548<br>1204<br>1812         | 15.5<br>1.1<br>14.8        | 472<br>34<br>451       | <b>29</b><br><b>Jue</b> | 535<br>1151<br>1806         | 16.9<br>-0.5<br>16.1        | 515<br>-15<br>491        | <b>14</b><br><b>Sáb</b> | 33<br>635<br>1251<br>1907   | 3.6<br>14.0<br>2.8<br>3.6  | 110<br>427<br>85<br>415  | <b>29</b><br><b>Dom</b> | 57<br>708<br>1319<br>1948   | 1.3<br>15.9<br>0.6<br>15.6  | 40<br>485<br>18<br>475  | <b>14</b><br><b>Lun</b> | 53<br>654<br>1307<br>1928   | 3.4<br>13.8<br>2.7<br>13.8 | 104<br>421<br>82<br>421 | <b>29</b><br><b>Mar</b> | 137<br>746<br>1354<br>2020  | 0.7<br>15.3<br>0.5<br>15.7   | 21<br>466<br>15<br>479  |
| <b>15</b><br><b>Jue</b> | 18<br>623<br>1240<br>1848   | 2.6<br>14.8<br>2.0<br>14.1 | 79<br>451<br>61<br>430 | <b>30</b><br><b>Vie</b> | 12<br>623<br>1237<br>1857   | 1.1<br>16.4<br>0.3<br>15.5  | 34<br>500<br>9<br>472    | <b>15</b><br><b>Dom</b> | 112<br>713<br>1331<br>1951  | 4.2<br>13.4<br>3.6<br>13.2 | 128<br>408<br>110<br>402 | <b>30</b><br><b>Lun</b> | 154<br>804<br>1416<br>2046  | 2.0<br>15.0<br>1.6<br>15.1  | 61<br>457<br>49<br>460  | <b>15</b><br><b>Mar</b> | 134<br>732<br>1348<br>2008  | 3.7<br>13.3<br>3.2<br>13.7 | 113<br>405<br>98<br>418 | <b>30</b><br><b>Mié</b> | 231<br>836<br>1448<br>2109  | 1.5<br>14.3<br>1.7<br>14.8   | 46<br>436<br>52<br>451  |
|                         |                             |                            |                        | <b>31</b><br><b>Sáb</b> | 103<br>715<br>1329<br>1954  | 1.9<br>15.5<br>1.3<br>14.8  | 58<br>472<br>40<br>451   |                         |                             |                            |                          |                         |                             |                             |                         |                         |                             |                            |                         | <b>31</b><br><b>Jue</b> | 327<br>932<br>1545<br>2203  | 2.2<br>13.2<br>2.8<br>13.9   | 67<br>402<br>85<br>424  |

Fuente: Canal de Panamá (HIAM)

Jorge F. Rodríguez C.



Luna Nueva



Cuarto Creciente



Luna Llena



Cuarto Menguante



## Altos de Diablo, Océano Pacífico

## Altos de Diablo, Océano Pacífico 2026

### Horas y Niveles de Mareas Altas y Bajas

Estación ID: DHT / (8.965633 N / -79.573064 O) / Tipo de estación: Armónica (primaria) / Zona horaria: UTC -5h / Datum: MLWS

| Enero           |       |      |      | Febrero |                  |      |      | Marzo |       |                 |      |      |       |    |                  |      |      |      |    |                 |      |      |     |  |                  |      |      |     |  |                 |     |      |     |  |
|-----------------|-------|------|------|---------|------------------|------|------|-------|-------|-----------------|------|------|-------|----|------------------|------|------|------|----|-----------------|------|------|-----|--|------------------|------|------|-----|--|-----------------|-----|------|-----|--|
| Hora            | Nivel |      |      | Hora    | Nivel            |      |      | Hora  | Nivel |                 |      | Hora | Nivel |    |                  |      |      |      |    |                 |      |      |     |  |                  |      |      |     |  |                 |     |      |     |  |
|                 | h     | m    | pies | cm      |                  | h    | m    | pies  | cm    |                 | h    | m    | pies  | cm |                  | h    | m    | pies | cm |                 |      |      |     |  |                  |      |      |     |  |                 |     |      |     |  |
| <b>1</b><br>Jue | 115   | 14.7 | 448  |         | <b>16</b><br>Vie | 210  | 12.5 | 381   |       | <b>1</b><br>Dom | 310  | 14.8 | 451   |    | <b>16</b><br>Lun | 317  | 13.1 | 399  |    | <b>1</b><br>Dom | 207  | 13.4 | 408 |  | <b>16</b><br>Lun | 201  | 12.1 | 369 |  |                 |     |      |     |  |
|                 | 743   | 1.5  | 46   |         |                  | 839  | 3.2  | 98    |       |                 | 931  | -0.1 | -3    |    |                  | 936  | 1.4  | 43   |    |                 | 826  | 1.2  | 37  |  |                  | 821  | 2.7  | 82  |  |                 |     |      |     |  |
|                 | 1402  | 14.1 | 430  |         |                  | 1446 | 12.4 | 378   |       |                 | 1546 | 14.8 | 451   |    |                  | 1543 | 13.4 | 408  |    |                 | 1443 | 13.7 | 418 |  |                  | 1427 | 12.7 | 387 |  |                 |     |      |     |  |
|                 | 2007  | 2.4  | 73   |         |                  | 2055 | 4.1  | 125   |       |                 | 2158 | 0.5  | 15    |    |                  | 2156 | 1.9  | 58   |    |                 | 2056 | 1.5  | 46  |  |                  | 2045 | 2.9  | 88  |  |                 |     |      |     |  |
| <b>2</b><br>Vie | 216   | 15.3 | 466  |         | <b>17</b><br>Sáb | 255  | 13.0 | 396   |       | <b>2</b><br>Lun | 404  | 15.5 | 472   |    | <b>17</b><br>Mar | 358  | 13.9 | 424  |    | <b>2</b><br>Lun | 303  | 14.2 | 433 |  | <b>17</b><br>Mar | 247  | 13.1 | 399 |  | <b>2</b><br>Lun | 247 | 13.1 | 399 |  |
|                 | 844   | 0.6  | 18   |         |                  | 923  | 2.4  | 73    |       |                 | 1018 | -1.0 | -30   |    |                  | 1011 | 0.5  | 15   |    |                 | 917  | 0.1  | 3   |  |                  | 902  | 1.6  | 49  |  |                 |     |      |     |  |
|                 | 1457  | 14.8 | 451  |         |                  | 1527 | 12.9 | 393   |       |                 | 1637 | 15.5 | 472   |    |                  | 1623 | 14.3 | 436  |    |                 | 1533 | 14.7 | 448 |  |                  | 1509 | 13.9 | 424 |  |                 |     |      |     |  |
|                 | 2109  | 1.6  | 49   |         |                  | 2139 | 3.3  | 101   |       |                 | 2244 | -0.3 | -9    |    |                  | 2232 | 0.9  | 27   |    |                 | 2144 | 0.4  | 12  |  |                  | 2126 | 1.5  | 46  |  |                 |     |      |     |  |
| <b>3</b><br>Sáb | 314   | 15.8 | 482  |         | <b>18</b><br>Dom | 338  | 13.5 | 411   |       | <b>3</b><br>Mar | 452  | 15.8 | 482   |    | <b>18</b><br>Mié | 436  | 14.6 | 445  |    | <b>3</b><br>Mar | 351  | 14.9 | 454 |  | <b>18</b><br>Mié | 329  | 14.1 | 430 |  | <b>3</b><br>Mar | 329 | 14.1 | 430 |  |
|                 | 940   | -0.3 | -9   |         |                  | 1001 | 1.6  | 49    |       |                 | 1100 | -1.4 | -43   |    |                  | 1044 | -0.3 | -9   |    |                 | 1000 | -0.7 | -21 |  |                  | 939  | 0.5  | 15  |  |                 |     |      |     |  |
|                 | 1552  | 15.5 | 472  |         |                  | 1608 | 13.5 | 411   |       |                 | 1723 | 16.0 | 488   |    |                  | 1700 | 15.2 | 463  |    |                 | 1617 | 15.4 | 469 |  |                  | 1548 | 15.0 | 457 |  |                 |     |      |     |  |
|                 | 2205  | 0.7  | 21   |         |                  | 2218 | 2.6  | 79    |       |                 | 2327 | -0.6 | -18   |    |                  | 2307 | 0.1  | 3    |    |                 | 2226 | -0.5 | -15 |  |                  | 2203 | 0.2  | 6   |  |                 |     |      |     |  |
| <b>4</b><br>Dom | 410   | 16.2 | 494  |         | <b>19</b><br>Lun | 418  | 14.0 | 427   |       | <b>4</b><br>Mié | 535  | 15.9 | 485   |    | <b>19</b><br>Jue | 514  | 15.1 | 460  |    | <b>4</b><br>Mié | 434  | 15.3 | 466 |  | <b>19</b><br>Jue | 408  | 14.9 | 454 |  | <b>4</b><br>Jue | 408 | 14.9 | 454 |  |
|                 | 1029  | -1.0 | -30  |         |                  | 1035 | 1.0  | 30    |       |                 | 1141 | -1.3 | -40   |    |                  | 1119 | -0.7 | -21  |    |                 | 1039 | -1.0 | -30 |  |                  | 1015 | -0.4 | -12 |  |                 |     |      |     |  |
|                 | 1647  | 15.9 | 485  |         |                  | 1648 | 14.1 | 430   |       |                 | 1804 | 16.1 | 491   |    |                  | 1737 | 15.8 | 482  |    |                 | 1657 | 15.8 | 482 |  |                  | 1627 | 15.9 | 485 |  |                 |     |      |     |  |
|                 | 2255  | 0.2  | 6    |         |                  | 2253 | 1.9  | 58    |       |                 |      |      |       |    |                  | 2343 | -0.5 | -15  |    |                 | 2305 | -0.9 | -27 |  |                  | 2240 | -0.8 | -24 |  |                 |     |      |     |  |
| <b>5</b><br>Lun | 503   | 16.4 | 500  |         | <b>20</b><br>Mar | 458  | 14.5 | 442   |       | <b>5</b><br>Jue | 8    | -0.5 | -15   |    | <b>20</b><br>Vie | 551  | 15.4 | 469  |    | <b>5</b><br>Jue | 513  | 15.4 | 469 |  | <b>20</b><br>Vie | 447  | 15.5 | 472 |  | <b>5</b><br>Jue | 447 | 15.5 | 472 |  |
|                 | 1115  | -1.2 | -37  |         |                  | 1108 | 0.5  | 15    |       |                 | 615  | 15.5 | 472   |    |                  | 1155 | -0.8 | -24  |    |                 | 1116 | -0.9 | -27 |  |                  | 1051 | -0.9 | -27 |  |                 |     |      |     |  |
|                 | 1739  | 16.2 | 494  |         |                  | 1726 | 14.6 | 445   |       |                 | 1220 | -0.7 | -21   |    |                  | 1813 | 16.1 | 491  |    |                 | 1734 | 15.8 | 482 |  |                  | 1705 | 16.5 | 503 |  |                 |     |      |     |  |
|                 | 2343  | 0.1  | 3    |         |                  | 2329 | 1.4  | 43    |       |                 | 1841 | 15.8 | 482   |    |                  |      |      |      |    |                 | 2342 | -0.9 | -27 |  |                  | 2317 | -1.5 | -46 |  |                 |     |      |     |  |
| <b>6</b><br>Mar | 553   | 16.3 | 497  |         | <b>21</b><br>Mié | 535  | 14.8 | 451   |       | <b>6</b><br>Vie | 48   | -0.1 | -3    |    | <b>21</b><br>Sáb | 21   | -0.7 | -21  |    | <b>6</b><br>Vie | 549  | 15.2 | 463 |  | <b>21</b><br>Sáb | 526  | 15.8 | 482 |  | <b>6</b><br>Vie | 526 | 15.8 | 482 |  |
|                 | 1200  | -1.0 | -30  |         |                  | 1143 | 0.2  | 6     |       |                 | 653  | 14.9 | 454   |    |                  | 628  | 15.3 | 466  |    |                 | 1152 | -0.4 | -12 |  |                  | 1130 | -1.0 | -30 |  |                 |     |      |     |  |
|                 | 1827  | 16.2 | 494  |         |                  | 1804 | 15.0 | 457   |       |                 | 1259 | 0.2  | 6     |    |                  | 1233 | -0.5 | -15  |    |                 | 1807 | 15.6 | 475 |  |                  | 1744 | 16.8 | 512 |  |                 |     |      |     |  |
|                 |       |      |      |         |                  |      |      |       |       |                 | 1916 | 15.2 | 463   |    |                  | 1850 | 16.1 | 491  |    |                 |      |      |     |  |                  | 2356 | -1.7 | -52 |  |                 |     |      |     |  |
| <b>7</b><br>Mié | 29    | 0.3  | 9    |         | <b>22</b><br>Jue | 6    | 1.1  | 34    |       | <b>7</b><br>Sáb | 128  | 0.6  | 18    |    | <b>22</b><br>Dom | 101  | -0.5 | -15  |    | <b>7</b><br>Sáb | 18   | -0.4 | -12 |  | <b>22</b><br>Dom | 606  | 15.8 | 482 |  | <b>7</b><br>Sáb | 606 | 15.8 | 482 |  |
|                 | 638   | 15.8 | 482  |         |                  | 612  | 14.9 | 454   |       |                 | 729  | 14.0 | 427   |    |                  | 706  | 14.8 | 451  |    |                 | 623  | 14.7 | 448 |  |                  | 1210 | -0.7 | -21 |  |                 |     |      |     |  |
|                 | 1244  | -0.3 | -9   |         |                  | 1218 | 0.3  | 9     |       |                 | 1339 | 1.3  | 40    |    |                  | 1315 | 0.2  | 6    |    |                 | 1228 | 0.4  | 12  |  |                  | 1824 | 16.5 | 503 |  |                 |     |      |     |  |
|                 | 1911  | 15.9 | 485  |         |                  | 1841 | 15.3 | 466   |       |                 | 1950 | 14.4 | 439   |    |                  | 1928 | 15.6 | 475  |    |                 | 1839 | 15.0 | 457 |  |                  |      |      |     |  |                 |     |      |     |  |

|                         |                             |                            |                          |                         |                             |                            |                         |                         |                             |                            |                          |                         |                             |                            |                          |                         |                             |                            |                          |                         |                             |                             |                         |
|-------------------------|-----------------------------|----------------------------|--------------------------|-------------------------|-----------------------------|----------------------------|-------------------------|-------------------------|-----------------------------|----------------------------|--------------------------|-------------------------|-----------------------------|----------------------------|--------------------------|-------------------------|-----------------------------|----------------------------|--------------------------|-------------------------|-----------------------------|-----------------------------|-------------------------|
| <b>8</b><br><b>Jue</b>  | 116<br>721<br>1329<br>1952  | 0.9<br>15.0<br>0.7<br>15.3 | 27<br>457<br>21<br>466   | <b>23</b><br><b>Vie</b> | 44<br>649<br>1257<br>1917   | 1.0<br>14.7<br>0.5<br>15.4 | 30<br>448<br>15<br>469  | <b>8</b><br><b>Dom</b>  | 209<br>806<br>1420<br>2025  | 1.5<br>13.0<br>2.4<br>13.4 | 46<br>396<br>73<br>408   | <b>23</b><br><b>Lun</b> | 144<br>748<br>1401<br>2010  | 0.0<br>14.1<br>1.1<br>14.8 | 0<br>430<br>34<br>451    | <b>8</b><br><b>Dom</b>  | 53<br>656<br>1303<br>1911   | 0.3<br>14.0<br>1.4<br>14.2 | 9<br>427<br>43<br>433    | <b>23</b><br><b>Lun</b> | 37<br>648<br>1254<br>1906   | -1.3<br>15.3<br>0.1<br>15.8 | -40<br>466<br>3<br>482  |
| <b>9</b><br><b>Vie</b>  | 203<br>803<br>1416<br>2033  | 1.6<br>14.1<br>1.8<br>14.5 | 49<br>430<br>55<br>442   | <b>24</b><br><b>Sáb</b> | 126<br>727<br>1339<br>1954  | 1.0<br>14.3<br>1.1<br>15.2 | 30<br>436<br>34<br>463  | <b>9</b><br><b>Lun</b>  | 252<br>847<br>1505<br>2105  | 2.5<br>12.0<br>3.5<br>12.4 | 76<br>366<br>107<br>378  | <b>24</b><br><b>Mar</b> | 232<br>837<br>1454<br>2100  | 0.9<br>13.1<br>2.1<br>13.7 | 27<br>399<br>64<br>418   | <b>9</b><br><b>Lun</b>  | 129<br>730<br>1340<br>1944  | 1.2<br>13.1<br>2.4<br>13.3 | 37<br>399<br>73<br>405   | <b>24</b><br><b>Mar</b> | 121<br>733<br>1343<br>1953  | -0.4<br>14.4<br>1.1<br>14.8 | -12<br>439<br>34<br>451 |
| <b>10</b><br><b>Sáb</b> | 251<br>847<br>1505<br>2115  | 2.4<br>13.0<br>2.9<br>13.6 | 73<br>396<br>88<br>415   | <b>25</b><br><b>Dom</b> | 211<br>808<br>1426<br>2035  | 1.3<br>13.7<br>1.7<br>14.7 | 40<br>418<br>52<br>448  | <b>10</b><br><b>Mar</b> | 340<br>942<br>1556<br>2159  | 3.4<br>11.0<br>4.4<br>11.5 | 104<br>335<br>134<br>351 | <b>25</b><br><b>Mié</b> | 329<br>942<br>1557<br>2208  | 1.8<br>12.1<br>3.0<br>12.7 | 55<br>369<br>91<br>387   | <b>10</b><br><b>Mar</b> | 207<br>808<br>1421<br>2021  | 2.2<br>12.1<br>3.4<br>12.4 | 67<br>369<br>104<br>378  | <b>25</b><br><b>Mié</b> | 212<br>827<br>1440<br>2048  | 0.8<br>13.4<br>2.3<br>13.5  | 24<br>408<br>70<br>411  |
| <b>11</b><br><b>Dom</b> | 342<br>940<br>1557<br>2205  | 3.1<br>12.0<br>3.8<br>12.8 | 94<br>366<br>116<br>390  | <b>26</b><br><b>Lun</b> | 300<br>856<br>1518<br>2124  | 1.7<br>13.0<br>2.4<br>14.1 | 52<br>396<br>73<br>430  | <b>11</b><br><b>Mié</b> | 435<br>1102<br>1654<br>2316 | 4.1<br>11.0<br>5.0<br>11.0 | 125<br>317<br>152<br>335 | <b>26</b><br><b>Jue</b> | 437<br>1110<br>1711<br>2336 | 2.6<br>11.6<br>3.6<br>12.3 | 79<br>354<br>110<br>375  | <b>11</b><br><b>Mié</b> | 250<br>856<br>1508<br>2108  | 3.2<br>11.2<br>4.3<br>11.4 | 98<br>341<br>131<br>347  | <b>26</b><br><b>Jue</b> | 312<br>937<br>1548<br>2201  | 2.0<br>12.4<br>3.3<br>12.5  | 61<br>378<br>106<br>381 |
| <b>12</b><br><b>Lun</b> | 435<br>1050<br>1652<br>2308 | 3.7<br>11.3<br>4.5<br>12.1 | 113<br>344<br>137<br>369 | <b>27</b><br><b>Mar</b> | 355<br>1001<br>1618<br>2228 | 2.1<br>12.3<br>3.0<br>13.4 | 64<br>375<br>91<br>408  | <b>12</b><br><b>Jue</b> | 543<br>1223<br>1805         | 4.5<br>10.4<br>5.2         | 137<br>317<br>158        | <b>27</b><br><b>Vie</b> | 557<br>1235<br>1836         | 2.9<br>11.9<br>3.5         | 88<br>363<br>107         | <b>12</b><br><b>Jue</b> | 343<br>1003<br>1606<br>2217 | 4.1<br>10.5<br>5.0<br>10.7 | 125<br>320<br>152<br>326 | <b>27</b><br><b>Vie</b> | 426<br>1104<br>1708<br>2331 | 2.9<br>12.0<br>3.8<br>12.1  | 88<br>366<br>116<br>369 |
| <b>13</b><br><b>Mar</b> | 533<br>1209<br>1751         | 4.1<br>11.1<br>5.0         | 125<br>338<br>152        | <b>28</b><br><b>Mié</b> | 459<br>1125<br>1725<br>2347 | 2.5<br>12.0<br>3.4<br>13.2 | 76<br>366<br>104<br>402 | <b>13</b><br><b>Vie</b> | 36<br>703<br>1326<br>1926   | 11.0<br>4.3<br>10.9<br>4.9 | 335<br>131<br>332<br>149 | <b>28</b><br><b>Sáb</b> | 59<br>720<br>1345<br>1955   | 12.6<br>2.3<br>12.7<br>2.7 | 384<br>70<br>387<br>82   | <b>13</b><br><b>Vie</b> | 452<br>1128<br>1720<br>2346 | 4.6<br>10.3<br>5.3<br>10.6 | 140<br>314<br>162<br>323 | <b>28</b><br><b>Sáb</b> | 548<br>1226<br>1830         | 3.1<br>12.3<br>3.5          | 94<br>375<br>107        |
| <b>14</b><br><b>Mié</b> | 18<br>638<br>1312<br>1855   | 11.9<br>4.2<br>11.4<br>5.0 | 363<br>128<br>347<br>152 | <b>29</b><br><b>Jue</b> | 611<br>1244<br>1841         | 2.5<br>12.3<br>3.3         | 76<br>375<br>101        | <b>14</b><br><b>Sáb</b> | 140<br>811<br>1417<br>2031  | 11.5<br>4.3<br>3.7<br>4.1  | 351<br>107<br>357<br>125 | <b>14</b><br><b>Sáb</b> | 615<br>1242<br>1844         | 4.5<br>10.8<br>5.0         | 137<br>329<br>152        | <b>14</b><br><b>Sáb</b> | 615<br>1242<br>1844         | 4.5<br>10.8<br>5.0         | 137<br>329<br>152        | <b>29</b><br><b>Dom</b> | 53<br>705<br>1332<br>1942   | 12.5<br>2.6<br>13.1<br>2.7  | 381<br>79<br>399<br>82  |
| <b>15</b><br><b>Jue</b> | 118<br>744<br>1402<br>2001  | 12.1<br>3.8<br>11.8<br>4.7 | 369<br>116<br>360<br>143 | <b>30</b><br><b>Vie</b> | 103<br>728<br>1351<br>1959  | 13.4<br>2.0<br>13.1<br>2.7 | 408<br>61<br>399<br>82  | <b>15</b><br><b>Dom</b> | 232<br>858<br>1502<br>2117  | 12.3<br>2.5<br>12.5<br>3.0 | 375<br>76<br>381<br>91   | <b>15</b><br><b>Dom</b> | 104<br>729<br>1340<br>1955  | 11.2<br>3.8<br>11.6<br>4.1 | 341<br>116<br>354<br>125 | <b>15</b><br><b>Dom</b> | 104<br>729<br>1340<br>1955  | 11.2<br>3.8<br>11.6<br>4.1 | 341<br>116<br>354<br>125 | <b>30</b><br><b>Lun</b> | 157<br>806<br>1425<br>2038  | 13.2<br>1.7<br>14.0<br>1.6  | 402<br>52<br>427<br>49  |
|                         |                             |                            |                          | <b>31</b><br><b>Sáb</b> | 210<br>836<br>1451<br>2104  | 14.1<br>1.0<br>14.0<br>1.6 | 430<br>30<br>427<br>49  |                         |                             |                            |                          |                         |                             |                            |                          |                         |                             |                            |                          | <b>31</b><br><b>Mar</b> | 248<br>854<br>1510<br>2123  | 14.0<br>0.9<br>14.7<br>0.6  | 427<br>27<br>448<br>18  |

Fuente: Canal de Panamá (HIAM)

George F. Rodríguez C.



Luna Nueva



Cuarto Creciente



Luna Llena





















Cuarto Menguante

## Altos de Diablo, Océano Pacífico 2026

### Horas y Niveles de Mareas Altas y Bajas

Estación ID: DHT / (8.965633 N / -79.573064 O) / Tipo de estación: Armónica (primaria) / Zona horaria: UTC -5h / Datum: MLWS

| Abril           |      |       |     | Mayo             |      |       |     | Junio           |      |       |     |                  |      |       |     |                 |      |      |     |                  |      |      |     |
|-----------------|------|-------|-----|------------------|------|-------|-----|-----------------|------|-------|-----|------------------|------|-------|-----|-----------------|------|------|-----|------------------|------|------|-----|
| Hora            |      | Nivel |     | Hora             |      | Nivel |     | Hora            |      | Nivel |     | Hora             |      | Nivel |     |                 |      |      |     |                  |      |      |     |
| h               | m    | pies  | cm  | h                | m    | pies  | cm  | h               | m    | pies  | cm  | h                | m    | pies  | cm  | h               | m    | pies | cm  |                  |      |      |     |
| <b>1</b><br>Mié | 332  | 14.6  | 445 | <b>16</b><br>Jue | 254  | 14.3  | 436 | <b>1</b><br>Vie | 345  | 14.5  | 442 | <b>16</b><br>Sáb | 305  | 15.3  | 466 | <b>1</b><br>Lun | 431  | 14.1 | 430 | <b>16</b><br>Mar | 427  | 16.2 | 494 |
|                 | 936  | 0.4   | 12  |                  | 901  | 1.1   | 34  |                 | 947  | 1.8   | 55  |                  | 912  | 1.1   | 34  |                 | 1039 | 3.1  | 94  |                  | 1038 | 0.7  | 21  |
|                 | 1550 | 15.2  | 463 |                  | 1508 | 15.6  | 475 |                 | 1554 | 15.0  | 457 |                  | 1517 | 16.7  | 509 |                 | 1639 | 14.5 | 442 |                  | 1645 | 17.0 | 518 |
|                 | 2203 | -0.1  | -3  |                  | 2131 | 0.1   | 3   |                 | 2214 | 0.6   | 18  |                  | 2144 | -0.6  | -18 |                 | 2300 | 1.7  | 52  |                  | 2303 | -0.9 | -27 |
| <b>2</b><br>Jue | 411  | 14.9  | 454 | <b>17</b><br>Vie | 336  | 15.2  | 463 | <b>2</b><br>Sáb | 420  | 14.6  | 445 | <b>17</b><br>Dom | 352  | 16.0  | 488 | <b>2</b><br>Mar | 509  | 14.1 | 430 | <b>17</b><br>Mié | 523  | 16.4 | 500 |
|                 | 1014 | 0.2   | 6   |                  | 943  | 0.2   | 6   |                 | 1024 | 1.8   | 55  |                  | 1001 | 0.5   | 15  |                 | 1114 | 3.1  | 94  |                  | 1130 | 0.6  | 18  |
|                 | 1626 | 15.5  | 472 |                  | 1550 | 16.5  | 503 |                 | 1629 | 15.0  | 457 |                  | 1606 | 17.1  | 521 |                 | 1717 | 14.4 | 439 |                  | 1741 | 16.9 | 515 |
|                 | 2240 | -0.4  | -12 |                  | 2211 | -1.0  | -30 |                 | 2248 | 0.6   | 18  |                  | 2230 | -1.2  | -37 |                 | 2333 | 1.9  | 58  |                  | 2352 | -0.7 | -21 |
| <b>3</b><br>Vie | 447  | 15.0  | 457 | <b>18</b><br>Sáb | 418  | 15.9  | 485 | <b>3</b><br>Dom | 454  | 14.5  | 442 | <b>18</b><br>Lun | 441  | 16.3  | 497 | <b>3</b><br>Mié | 547  | 14.0 | 427 | <b>18</b><br>Jue | 618  | 16.4 | 500 |
|                 | 1050 | 0.3   | 9   |                  | 1024 | -0.4  | -12 |                 | 1059 | 2.0   | 61  |                  | 1049 | 0.2   | 6   |                 | 1150 | 3.3  | 101 |                  | 1221 | 0.8  | 24  |
|                 | 1701 | 15.4  | 469 |                  | 1633 | 17.0  | 518 |                 | 1703 | 14.8  | 451 |                  | 1657 | 17.1  | 521 |                 | 1754 | 14.2 | 433 |                  | 1834 | 16.5 | 503 |
|                 | 2315 | -0.4  | -12 |                  | 2252 | -1.6  | -49 |                 | 2322 | 0.9   | 27  |                  | 2316 | -1.3  | -40 |                 |      |      |     |                  |      |      |     |
| <b>4</b><br>Sáb | 521  | 14.9  | 454 | <b>19</b><br>Dom | 501  | 16.2  | 494 | <b>4</b><br>Lun | 529  | 14.3  | 436 | <b>19</b><br>Mar | 532  | 16.3  | 497 | <b>4</b><br>Jue | 7    | 2.1  | 64  | <b>19</b><br>Vie | 41   | -0.2 | -6  |
|                 | 1124 | 0.7   | 21  |                  | 1107 | -0.5  | -15 |                 | 1133 | 2.4   | 73  |                  | 1138 | 0.4   | 12  |                 | 626  | 13.9 | 424 |                  | 712  | 16.3 | 497 |
|                 | 1733 | 15.2  | 463 |                  | 1717 | 17.1  | 521 |                 | 1737 | 14.5  | 442 |                  | 1750 | 16.8  | 512 |                 | 1226 | 3.5  | 107 |                  | 1314 | 1.3  | 40  |
|                 | 2348 | 0.0   | 0   |                  | 2333 | -1.7  | -52 |                 | 2354 | 1.3   | 40  |                  |      |       |     |                 | 1832 | 14.0 | 427 |                  | 1924 | 15.8 | 482 |
| <b>5</b><br>Dom | 554  | 14.5  | 442 | <b>20</b><br>Lun | 546  | 16.1  | 491 | <b>5</b><br>Mar | 604  | 13.9  | 424 | <b>20</b><br>Mié | 3    | -0.8  | -24 | <b>5</b><br>Vie | 43   | 2.6  | 79  | <b>20</b><br>Sáb | 132  | 0.7  | 21  |
|                 | 1158 | 1.3   | 40  |                  | 1151 | -0.2  | -6  |                 | 1207 | 2.8   | 85  |                  | 626  | 16.0  | 488 |                 | 707  | 13.8 | 421 |                  | 802  | 15.8 | 482 |
|                 | 1805 | 14.7  | 448 |                  | 1803 | 16.7  | 509 |                 | 1812 | 14.1  | 430 |                  | 1230 | 0.9   | 27  |                 | 1306 | 3.8  | 116 |                  | 1408 | 2.0  | 61  |
|                 |      |       |     |                  |      |       |     |                 |      |       |     |                  | 1843 | 16.2  | 494 |                 | 1911 | 13.7 | 418 |                  | 2014 | 14.9 | 454 |
| <b>6</b><br>Lun | 21   | 0.6   | 18  | <b>21</b><br>Mar | 17   | -1.2  | -37 | <b>6</b><br>Mié | 27   | 1.9   | 58  | <b>21</b><br>Jue | 54   | 0.0   | 0   | <b>6</b><br>Sáb | 123  | 3.0  | 91  | <b>21</b><br>Dom | 226  | 1.7  | 52  |
|                 | 627  | 14.0  | 427 |                  | 634  | 15.6  | 475 |                 | 641  | 13.5  | 411 |                  | 722  | 15.5  | 472 |                 | 748  | 13.7 | 418 |                  | 852  | 15.2 | 463 |
|                 | 1232 | 2.0   | 61  |                  | 1239 | 0.5   | 15  |                 | 1243 | 3.4   | 104 |                  | 1325 | 1.7   | 52  |                 | 1352 | 4.1  | 125 |                  | 1504 | 2.6  | 79  |
|                 | 1838 | 14.1  | 430 |                  | 1852 | 16.0  | 488 |                 | 1849 | 13.6  | 415 |                  | 1938 | 15.3  | 466 |                 | 1952 | 13.3 | 405 |                  | 2107 | 13.9 | 424 |
| <b>7</b><br>Mar | 54   | 1.4   | 43  | <b>22</b><br>Mié | 105  | -0.2  | -6  | <b>7</b><br>Jue | 103  | 2.6   | 79  | <b>22</b><br>Vie | 149  | 1.1   | 34  | <b>7</b><br>Dom | 210  | 3.5  | 107 | <b>22</b><br>Lun | 323  | 2.7  | 82  |
|                 | 702  | 13.3  | 405 |                  | 726  | 14.9  | 454 |                 | 721  | 13.1  | 399 |                  | 820  | 14.9  | 454 |                 | 832  | 13.6 | 415 |                  | 944  | 14.6 | 445 |
|                 | 1307 | 2.9   | 88  |                  | 1333 | 1.5   | 46  |                 | 1323 | 4.0   | 122 |                  | 1426 | 2.5   | 76  |                 | 1443 | 4.3  | 131 |                  | 1601 | 3.2  | 98  |
|                 | 1912 | 13.4  | 408 |                  | 1944 | 14.9  | 454 |                 | 1928 | 13.1  | 399 |                  | 2034 | 14.4  | 439 |                 | 2037 | 12.9 | 393 |                  | 2208 | 13.1 | 399 |

|                         |                             |                            |                          |   |                         |                             |                            |                         |                         |                             |                            |                          |   |                         |                             |                            |                          |                         |                             |                             |                          |                         |                             |                            |                          |  |
|-------------------------|-----------------------------|----------------------------|--------------------------|---|-------------------------|-----------------------------|----------------------------|-------------------------|-------------------------|-----------------------------|----------------------------|--------------------------|---|-------------------------|-----------------------------|----------------------------|--------------------------|-------------------------|-----------------------------|-----------------------------|--------------------------|-------------------------|-----------------------------|----------------------------|--------------------------|--|
| <b>8</b><br><b>Mié</b>  | 130<br>740<br>1346<br>1949  | 2.4<br>12.5<br>3.7<br>12.6 | 73<br>381<br>113<br>384  |  | <b>23</b><br><b>Jue</b> | 159<br>825<br>1434<br>2043  | 1.0<br>14.0<br>2.6<br>13.8 | 30<br>427<br>79<br>421  | <b>8</b><br><b>Vie</b>  | 144<br>806<br>1410<br>2012  | 3.3<br>12.6<br>4.5<br>12.5 | 101<br>384<br>137<br>381 |  | <b>23</b><br><b>Sáb</b> | 250<br>920<br>1531<br>2137  | 2.1<br>14.4<br>3.1<br>13.5 | 64<br>439<br>94<br>411   | <b>8</b><br><b>Lun</b>  | 302<br>918<br>1538<br>2130  | 3.9<br>13.6<br>4.3<br>12.5  | 119<br>415<br>131<br>381 | <b>23</b><br><b>Mar</b> | 420<br>1040<br>1658<br>2320 | 3.5<br>13.9<br>3.6<br>12.5 | 107<br>424<br>110<br>381 |  |
| <b>9</b><br><b>Jue</b>  | 211<br>826<br>1433<br>2035  | 3.3<br>11.8<br>4.5<br>11.8 | 101<br>360<br>137<br>360 |   | <b>24</b><br><b>Vie</b> | 303<br>934<br>1544<br>2155  | 2.2<br>13.2<br>3.4<br>12.9 | 67<br>402<br>104<br>393 | <b>9</b><br><b>Sáb</b>  | 234<br>857<br>1507<br>2104  | 4.0<br>12.3<br>4.9<br>12.0 | 122<br>375<br>149<br>366 |  | <b>24</b><br><b>Dom</b> | 355<br>1023<br>1636<br>2249 | 2.9<br>14.0<br>3.5<br>12.9 | 88<br>427<br>107<br>393  | <b>9</b><br><b>Mar</b>  | 359<br>1011<br>1635<br>2235 | 4.0<br>13.7<br>4.1<br>12.5  | 122<br>418<br>125<br>378 | <b>24</b><br><b>Mié</b> | 516<br>1141<br>1756         | 4.2<br>13.5<br>3.8         | 128<br>411<br>116        |  |
| <b>10</b><br><b>Vie</b> | 303<br>925<br>1532<br>2135  | 4.1<br>11.2<br>5.1<br>11.2 | 125<br>341<br>155<br>341 |  | <b>25</b><br><b>Sáb</b> | 416<br>1051<br>1659<br>2317 | 3.0<br>12.9<br>3.7<br>12.5 | 91<br>393<br>113<br>381 | <b>10</b><br><b>Dom</b> | 335<br>956<br>1611<br>2209  | 4.4<br>12.2<br>5.0<br>11.7 | 134<br>372<br>152<br>357 |  | <b>25</b><br><b>Lun</b> | 459<br>1128<br>1739         | 3.4<br>13.8<br>3.5         | 104<br>421<br>107        | <b>10</b><br><b>Mié</b> | 455<br>1108<br>1733<br>2348 | 4.0<br>13.9<br>3.6<br>12.7  | 122<br>424<br>110<br>387 | <b>25</b><br><b>Jue</b> | 29<br>613<br>1240<br>1855   | 12.5<br>4.6<br>13.4<br>3.8 | 381<br>140<br>408<br>116 |  |
| <b>11</b><br><b>Sáb</b> | 410<br>1037<br>1643<br>2255 | 4.6<br>11.0<br>5.3<br>10.9 | 140<br>335<br>162<br>332 |   | <b>26</b><br><b>Dom</b> | 530<br>1205<br>1811         | 3.2<br>13.2<br>3.5         | 98<br>402<br>107        | <b>11</b><br><b>Lun</b> | 440<br>1059<br>1716<br>2324 | 4.5<br>12.5<br>4.7<br>11.8 | 137<br>381<br>143<br>360 |  | <b>26</b><br><b>Mar</b> | 4<br>559<br>1228<br>1839    | 12.7<br>3.6<br>13.9<br>3.4 | 387<br>110<br>424<br>104 | <b>11</b><br><b>Jue</b> | 552<br>1208<br>1833         | 3.8<br>14.5<br>2.9          | 116<br>442<br>88         | <b>26</b><br><b>Vie</b> | 125<br>711<br>1332<br>1953  | 12.7<br>4.7<br>13.4<br>3.6 | 387<br>143<br>408<br>110 |  |
| <b>12</b><br><b>Dom</b> | 525<br>1151<br>1800         | 4.6<br>11.4<br>5.0         | 140<br>347<br>152        |  | <b>27</b><br><b>Lun</b> | 35<br>637<br>1306<br>1915   | 12.7<br>3.0<br>13.7<br>2.9 | 387<br>91<br>418<br>88  | <b>12</b><br><b>Mar</b> | 542<br>1159<br>1819         | 4.2<br>13.2<br>3.9         | 128<br>402<br>119        |  | <b>27</b><br><b>Mié</b> | 106<br>656<br>1320<br>1935  | 13.0<br>3.7<br>14.0<br>3.0 | 396<br>113<br>427<br>91  | <b>12</b><br><b>Vie</b> | 53<br>650<br>1305<br>1932   | 13.4<br>3.3<br>5.1<br>2.0   | 408<br>101<br>460<br>61  | <b>27</b><br><b>Sáb</b> | 211<br>809<br>1418<br>2045  | 13.0<br>4.6<br>13.6<br>3.2 | 396<br>140<br>415<br>98  |  |
| <b>13</b><br><b>Lun</b> | 17<br>635<br>1252<br>1908   | 11.3<br>4.1<br>12.3<br>4.1 | 344<br>125<br>375<br>125 |   | <b>28</b><br><b>Mar</b> | 136<br>734<br>1356<br>2010  | 13.2<br>2.7<br>14.2<br>2.2 | 402<br>82<br>433<br>67  | <b>13</b><br><b>Mié</b> | 34<br>639<br>1254<br>1916   | 12.5<br>3.6<br>14.1<br>2.9 | 381<br>110<br>430<br>88  |  | <b>28</b><br><b>Jue</b> | 157<br>749<br>1405<br>2025  | 13.4<br>3.6<br>14.2<br>2.6 | 408<br>110<br>433<br>79  | <b>13</b><br><b>Sáb</b> | 148<br>750<br>1400<br>2030  | 14.2<br>2.7<br>15.8<br>1.0  | 433<br>82<br>482<br>30   | <b>28</b><br><b>Dom</b> | 253<br>900<br>1501<br>2129  | 13.3<br>4.3<br>13.8<br>2.7 | 405<br>131<br>421<br>82  |  |
| <b>14</b><br><b>Mar</b> | 121<br>731<br>1342<br>2003  | 12.2<br>3.2<br>13.4<br>2.8 | 372<br>98<br>408<br>85   |   | <b>29</b><br><b>Mié</b> | 225<br>824<br>1439<br>2056  | 13.8<br>2.3<br>14.6<br>1.5 | 421<br>70<br>445<br>46  | <b>14</b><br><b>Jue</b> | 131<br>732<br>1343<br>2009  | 13.4<br>2.8<br>15.1<br>1.6 | 408<br>85<br>460<br>49   |  | <b>29</b><br><b>Vie</b> | 239<br>838<br>1446<br>2110  | 13.7<br>3.5<br>14.4<br>2.1 | 418<br>107<br>439<br>64  | <b>14</b><br><b>Dom</b> | 240<br>849<br>1454<br>2124  | 15.1<br>1.9<br>16.4<br>0.1  | 460<br>58<br>500<br>3    | <b>29</b><br><b>Lun</b> | 333<br>944<br>1542<br>2208  | 13.6<br>3.9<br>14.1<br>2.3 | 415<br>119<br>430<br>70  |  |
| <b>15</b><br><b>Mié</b> | 211<br>818<br>1426<br>2049  | 13.2<br>2.1<br>14.5<br>1.4 | 402<br>64<br>442<br>43   |  | <b>30</b><br><b>Jue</b> | 307<br>907<br>1518<br>2136  | 14.2<br>1.9<br>14.9<br>0.9 | 433<br>58<br>454<br>27  | <b>15</b><br><b>Vie</b> | 219<br>823<br>1430<br>2058  | 14.4<br>1.9<br>16.0<br>0.4 | 439<br>58<br>488<br>12   |  | <b>30</b><br><b>Sáb</b> | 318<br>922<br>1525<br>2150  | 14.0<br>3.3<br>14.5<br>1.8 | 427<br>101<br>442<br>55  | <b>15</b><br><b>Lun</b> | 332<br>945<br>1549<br>2214  | 15.7<br>1.2<br>16.8<br>-0.6 | 479<br>37<br>512<br>-18  | <b>30</b><br><b>Mar</b> | 412<br>1023<br>1622<br>2243 | 13.8<br>3.5<br>14.3<br>2.0 | 421<br>107<br>436<br>61  |  |
|                         |                             |                            |                          |  |                         |                             |                            |                         |                         |                             |                            |                          |  | <b>31</b><br><b>Dom</b> | 355<br>1002<br>1602<br>2226 | 14.1<br>3.1<br>14.5<br>1.7 | 430<br>94<br>442<br>52   |                         |                             |                             |                          |                         |                             |                            |                          |  |

Fuente: Canal de Panamá (HIAM)

Por: Jorge F. Rodríguez C.



Luna Nueva



Cuarto Creciente



Luna Llena



Cuarto Menguante

## Altos de Diablo, Océano Pacífico 2026

### Horas y Niveles de Mareas Altas y Bajas

Estación ID: DHT / (8.965633 N / -79.573064 O) / Tipo de estación: Armónica (primaria) / Zona horaria: UTC -5h / Datum: MLWS

| Julio    |      |       |      | Agosto |           |       |      |      |    |          |      | Septiembre |      |       |           |      |      |       |    |          |      |      |     |  |           |      |      |     |  |
|----------|------|-------|------|--------|-----------|-------|------|------|----|----------|------|------------|------|-------|-----------|------|------|-------|----|----------|------|------|-----|--|-----------|------|------|-----|--|
| Hora     |      | Nivel |      | Hora   |           | Nivel |      | Hora |    | Nivel    |      | Hora       |      | Nivel |           | Hora |      | Nivel |    |          |      |      |     |  |           |      |      |     |  |
|          | h    | m     | pies | cm     |           | h     | m    | pies | cm |          | h    | m          | pies | cm    |           | h    | m    | pies  | cm |          |      |      |     |  |           |      |      |     |  |
| 1<br>Mié | 452  | 14.0  | 427  |        | 16<br>Jue | 513   | 16.6 | 506  |    | 1<br>Sáb | 1150 | 1.8        | 55   |       | 16<br>Dom | 621  | 16.9 | 515   |    | 1<br>Mar | 11   | 0.7  | 21  |  | 16<br>Mié | 48   | 1.9  | 58  |  |
|          | 1059 | 3.2   | 98   |        |           | 1119  | 0.2  | 6    |    |          | 1756 | 15.2       | 463  |       |           | 1227 | 0.0  | 0     |    |          | 627  | 16.4 | 500 |  |           | 657  | 15.2 | 463 |  |
|          | 1701 | 14.5  | 442  |        |           | 1729  | 16.9 | 515  |    |          | 1    | 1.1        | 34   |       |           | 1835 | 16.1 | 491   |    |          | 1237 | 0.5  | 15  |  |           | 1313 | 1.7  | 52  |  |
|          | 2316 | 1.8   | 55   |        |           | 2338  | -1.0 | -30  |    |          | 622  | 15.6       | 475  |       |           | 39   | 0.4  | 12    |    |          | 1843 | 15.4 | 469 |  |           | 1919 | 14.2 | 433 |  |
| 2<br>Jue | 531  | 14.3  | 436  |        | 17<br>Vie | 604   | 16.9 | 515  |    | 2<br>Dom | 622  | 15.6       | 475  |       | 17<br>Lun | 659  | 16.4 | 500   |    | 2<br>Mié | 50   | 1.3  | 40  |  | 17<br>Jue | 128  | 3.1  | 94  |  |
|          | 1134 | 3.0   | 91   |        |           | 1207  | 0.2  | 6    |    |          | 1226 | 1.7        | 52   |       |           | 1308 | 0.7  | 21    |    |          | 704  | 16.1 | 491 |  |           | 733  | 14.2 | 433 |  |
|          | 1739 | 14.6  | 445  |        |           | 1817  | 16.7 | 509  |    |          | 1831 | 15.1       | 460  |       |           | 1914 | 15.2 | 463   |    |          | 1317 | 1.0  | 30  |  |           | 1353 | 2.9  | 88  |  |
|          | 2349 | 1.8   | 55   |        |           | 23    | -0.5 | -15  |    |          | 37   | 1.3        | 40   |       |           | 121  | 1.5  | 46    |    |          | 1923 | 14.8 | 451 |  |           | 1959 | 13.1 | 399 |  |
| 3<br>Vie | 610  | 14.5  | 442  |        | 18<br>Sáb | 650   | 16.8 | 512  |    | 3<br>Lun | 657  | 15.7       | 479  |       | 18<br>Mar | 735  | 15.5 | 472   |    | 3<br>Jue | 134  | 2.0  | 61  |  | 18<br>Vie | 211  | 4.2  | 128 |  |
|          | 1210 | 3.0   | 91   |        |           | 1254  | 0.6  | 18   |    |          | 1304 | 1.7        | 52   |       |           | 1351 | 1.7  | 52    |    |          | 744  | 15.4 | 469 |  |           | 812  | 13.2 | 402 |  |
|          | 1816 | 14.6  | 445  |        |           | 1903  | 16.1 | 491  |    |          | 1907 | 14.8       | 451  |       |           | 1953 | 14.2 | 433   |    |          | 1403 | 1.8  | 55  |  |           | 1439 | 4.0  | 122 |  |
|          |      |       |      |        |           |       |      |      |    |          |      |            |      |       |           |      |      |       |    |          |      |      |     |  |           | 2009 | 13.9 | 424 |  |
| 4<br>Sáb | 24   | 2.0   | 61   |        | 19<br>Dom | 108   | 0.3  | 9    |    | 4<br>Mar | 116  | 1.8        | 55   |       | 19<br>Mié | 205  | 2.7  | 82    |    | 4<br>Vie | 225  | 2.9  | 88  |  | 19<br>Sáb | 302  | 5.1  | 155 |  |
|          | 648  | 14.7  | 448  |        |           | 734   | 16.3 | 497  |    |          | 733  | 15.5       | 472  |       |           | 813  | 14.4 | 439   |    |          | 832  | 14.5 | 442 |  |           | 902  | 12.2 | 372 |  |
|          | 1249 | 3.0   | 91   |        |           | 1341  | 1.2  | 37   |    |          | 1345 | 2.0        | 61   |       |           | 1435 | 2.8  | 85    |    |          | 1457 | 2.6  | 79  |  |           | 1535 | 4.9  | 149 |  |
|          | 1853 | 14.4  | 439  |        |           | 1946  | 15.2 | 463  |    |          | 1945 | 14.3       | 436  |       |           | 2036 | 13.0 | 396   |    |          | 2108 | 13.0 | 396 |  |           | 2156 | 11.4 | 347 |  |
| 5<br>Dom | 102  | 2.2   | 67   |        | 20<br>Lun | 155   | 1.5  | 46   |    | 5<br>Mié | 159  | 2.4        | 73   |       | 20<br>Jue | 252  | 3.9  | 119   |    | 5<br>Sáb | 325  | 3.8  | 116 |  | 20<br>Dom | 404  | 5.8  | 177 |  |
|          | 725  | 14.7  | 448  |        |           | 815   | 15.6 | 475  |    |          | 811  | 15.2       | 463  |       |           | 855  | 13.3 | 405   |    |          | 934  | 13.6 | 415 |  |           | 1013 | 11.5 | 351 |  |
|          | 1330 | 3.1   | 94   |        |           | 1429  | 2.1  | 64   |    |          | 1429 | 2.3        | 70   |       |           | 1525 | 3.8  | 116   |    |          | 1603 | 3.4  | 104 |  |           | 1647 | 5.5  | 168 |  |
|          | 1931 | 14.1  | 430  |        |           | 2031  | 14.1 | 430  |    |          | 2029 | 13.6       | 415  |       |           | 2132 | 12.0 | 366   |    |          | 2231 | 12.5 | 381 |  |           | 2320 | 11.3 | 344 |  |
| 6<br>Lun | 144  | 2.7   | 82   |        | 21<br>Mar | 245   | 2.6  | 79   |    | 6<br>Jue | 249  | 3.0        | 91   |       | 21<br>Vie | 345  | 4.9  | 149   |    | 6<br>Dom | 437  | 4.3  | 131 |  | 21<br>Lun | 518  | 6.0  | 183 |  |
|          | 803  | 14.7  | 448  |        |           | 858   | 14.6 | 445  |    |          | 855  | 14.6       | 445  |       |           | 950  | 12.4 | 378   |    |          | 1058 | 13.1 | 399 |  |           | 1142 | 11.4 | 347 |  |
|          | 1415 | 3.2   | 98   |        |           | 1520  | 2.9  | 88   |    |          | 1523 | 2.8        | 85   |       |           | 1622 | 4.6  | 140   |    |          | 1721 | 3.7  | 113 |  |           | 1807 | 5.4  | 165 |  |
|          | 2010 | 13.7  | 418  |        |           | 2121  | 13.1 | 399  |    |          | 2125 | 12.9       | 393  |       |           | 2249 | 11.4 | 347   |    |          | 2358 | 12.7 | 387 |  |           |      |      |     |  |
| 7<br>Mar | 230  | 3.1   | 94   |        | 22<br>Mié | 336   | 3.7  | 113  |    | 7<br>Vie | 345  | 3.6        | 110  |       | 22<br>Sáb | 445  | 5.5  | 168   |    | 7<br>Lun | 559  | 4.3  | 131 |  | 22<br>Mar | 32   | 11.7 | 357 |  |
|          | 843  | 14.6  | 445  |        |           | 946   | 13.7 | 418  |    |          | 952  | 14.0       | 427  |       |           | 1106 | 11.8 | 360   |    |          | 1224 | 13.4 | 408 |  |           | 637  | 5.7  | 174 |  |
|          | 1504 | 3.3   | 101  |        |           | 1612  | 3.7  | 113  |    |          | 1623 | 3.2        | 98   |       |           | 1731 | 5.1  | 155   |    |          | 1843 | 3.3  | 101 |  |           | 1257 | 12.0 | 366 |  |
|          | 2056 | 13.2  | 402  |        |           | 2226  | 12.2 | 372  |    |          | 2242 | 12.5       | 381  |       |           |      |      |       |    |          |      |      |     |  |           | 1916 | 4.7  | 143 |  |

|                         |                             |                             |                          |                         |                             |                            |                          |                         |                             |                              |                          |                         |                             |                            |                          |                         |                             |                              |                          |                         |                             |                             |                          |
|-------------------------|-----------------------------|-----------------------------|--------------------------|-------------------------|-----------------------------|----------------------------|--------------------------|-------------------------|-----------------------------|------------------------------|--------------------------|-------------------------|-----------------------------|----------------------------|--------------------------|-------------------------|-----------------------------|------------------------------|--------------------------|-------------------------|-----------------------------|-----------------------------|--------------------------|
| <b>8</b><br><b>Mié</b>  | 321<br>929<br>1557<br>2155  | 3.5<br>14.4<br>3.3<br>12.8  | 107<br>439<br>101<br>390 | <b>23</b><br><b>Jue</b> | 431<br>1046<br>1710<br>2343 | 4.6<br>12.9<br>4.3<br>11.8 | 140<br>393<br>131<br>360 | <b>8</b><br><b>Sáb</b>  | 449<br>1107<br>1732         | 4.0<br>13.6<br>3.3           | 122<br>415<br>101        | <b>23</b><br><b>Dom</b> | 9<br>556<br>1226<br>1849    | 11.3<br>5.8<br>11.8<br>5.0 | 344<br>177<br>360<br>152 | <b>8</b><br><b>Mar</b>  | 111<br>719<br>1335<br>1953  | 13.5<br>3.5<br>14.2<br>2.2   | 411<br>107<br>433<br>67  | <b>23</b><br><b>Mié</b> | 127<br>742<br>1351<br>2006  | 12.5<br>4.9<br>12.8<br>3.8  | 381<br>149<br>390<br>116 |
| <b>9</b><br><b>Jue</b>  | 416<br>1025<br>1654<br>2309 | 3.7<br>14.2<br>3.3<br>12.7  | 113<br>433<br>101<br>387 | <b>24</b><br><b>Vie</b> | 529<br>1156<br>1813         | 5.1<br>12.5<br>4.5         | 155<br>381<br>137        | <b>9</b><br><b>Dom</b>  | 5<br>602<br>1226<br>1849    | 12.7<br>4.1<br>13.8<br>3.0   | 387<br>125<br>421<br>91  | <b>24</b><br><b>Lun</b> | 112<br>714<br>1330<br>1957  | 11.8<br>5.5<br>12.3<br>4.3 | 360<br>168<br>375<br>131 | <b>9</b><br><b>Mié</b>  | 211<br>824<br>1433<br>2048  | 14.6<br>2.3<br>15.1<br>1.0   | 445<br>70<br>460<br>30   | <b>24</b><br><b>Jue</b> | 212<br>830<br>1435<br>2046  | 13.5<br>3.8<br>13.7<br>2.8  | 411<br>116<br>418<br>85  |
| <b>10</b><br><b>Vie</b> | 515<br>1131<br>1757         | 3.8<br>14.2<br>3.0          | 116<br>433<br>91         | <b>25</b><br><b>Sáb</b> | 50<br>633<br>1300<br>1922   | 11.9<br>5.4<br>12.5<br>4.4 | 363<br>165<br>381<br>134 | <b>10</b><br><b>Lun</b> | 116<br>721<br>1336<br>2002  | 13.4<br>3.6<br>14.5<br>2.0   | 408<br>110<br>442<br>61  | <b>25</b><br><b>Mar</b> | 203<br>817<br>1420<br>2045  | 12.4<br>4.8<br>13.0<br>3.4 | 378<br>146<br>396<br>104 | <b>10</b><br><b>Jue</b> | 302<br>916<br>1523<br>2134  | 15.6<br>1.1<br>15.9<br>0.1   | 475<br>34<br>485<br>3    | <b>25</b><br><b>Vie</b> | 251<br>909<br>1513<br>2122  | 14.5<br>2.6<br>14.6<br>1.8  | 442<br>79<br>445<br>55   |
| <b>11</b><br><b>Sáb</b> | 22<br>619<br>1238<br>1904   | 13.1<br>3.7<br>14.6<br>2.5  | 399<br>113<br>445<br>76  | <b>26</b><br><b>Dom</b> | 143<br>741<br>1354<br>2023  | 12.2<br>5.2<br>12.8<br>3.9 | 372<br>158<br>390<br>119 | <b>11</b><br><b>Mar</b> | 217<br>832<br>1438<br>2102  | 14.4<br>2.5<br>15.3<br>2.0   | 439<br>76<br>466<br>24   | <b>26</b><br><b>Mié</b> | 247<br>904<br>1503<br>2122  | 13.2<br>3.9<br>13.7<br>2.5 | 402<br>119<br>418<br>76  | <b>11</b><br><b>Vie</b> | 348<br>1001<br>1608<br>2215 | 16.4<br>0.1<br>16.4<br>-0.4  | 500<br>3<br>500<br>-12   | <b>26</b><br><b>Sáb</b> | 328<br>945<br>1550<br>2156  | 15.4<br>1.4<br>15.4<br>1.1  | 469<br>43<br>469<br>39   |
| <b>12</b><br><b>Dom</b> | 126<br>728<br>1342<br>2011  | 13.8<br>3.3<br>15.2<br>1.7  | 421<br>101<br>463<br>52  | <b>27</b><br><b>Lun</b> | 229<br>841<br>1441<br>2110  | 12.7<br>4.7<br>13.3<br>3.1 | 387<br>143<br>405<br>94  | <b>12</b><br><b>Mié</b> | 314<br>929<br>1534<br>2152  | 15.4<br>1.3<br>16.1<br>-0.3  | 469<br>40<br>491<br>-9   | <b>27</b><br><b>Jue</b> | 326<br>941<br>1542<br>2156  | 14.0<br>2.9<br>14.5<br>1.6 | 427<br>88<br>442<br>49   | <b>12</b><br><b>Sáb</b> | 431<br>1042<br>1650<br>2254 | 16.9<br>-0.5<br>16.6<br>-0.4 | 515<br>-15<br>506<br>-12 | <b>27</b><br><b>Dom</b> | 405<br>1020<br>1627<br>2231 | 16.2<br>0.5<br>16.0<br>0.6  | 494<br>15<br>488<br>18   |
| <b>13</b><br><b>Lun</b> | 224<br>836<br>1442<br>2111  | 14.6<br>2.5<br>15.8<br>0.6  | 445<br>76<br>482<br>18   | <b>28</b><br><b>Mar</b> | 312<br>927<br>1524<br>2149  | 13.2<br>4.0<br>13.8<br>2.4 | 402<br>122<br>421<br>73  | <b>13</b><br><b>Jue</b> | 407<br>1019<br>1625<br>2236 | 16.2<br>0.3<br>16.7<br>-0.9  | 494<br>9<br>509<br>-27   | <b>28</b><br><b>Vie</b> | 404<br>1016<br>1619<br>2228 | 14.8<br>2.0<br>15.1<br>1.0 | 451<br>61<br>460<br>30   | <b>13</b><br><b>Dom</b> | 510<br>1121<br>1729<br>2332 | 17.0<br>-0.5<br>16.4<br>0.1  | 518<br>-15<br>500<br>3   | <b>28</b><br><b>Lun</b> | 442<br>1056<br>1704<br>2308 | 16.8<br>-0.2<br>16.3<br>0.4 | 512<br>-6<br>497<br>12   |
| <b>14</b><br><b>Mar</b> | 321<br>937<br>1541<br>2204  | 15.4<br>1.5<br>16.4<br>-0.3 | 469<br>46<br>500<br>-9   | <b>29</b><br><b>Mié</b> | 353<br>1006<br>1604<br>2223 | 13.7<br>3.3<br>14.3<br>1.8 | 418<br>101<br>436<br>55  | <b>14</b><br><b>Vie</b> | 456<br>1103<br>1712<br>2318 | 16.9<br>-0.3<br>16.8<br>-1.0 | 515<br>-9<br>512<br>-30  | <b>29</b><br><b>Sáb</b> | 440<br>1050<br>1655<br>2301 | 15.6<br>1.2<br>15.5<br>0.6 | 475<br>37<br>472<br>18   | <b>14</b><br><b>Lun</b> | 547<br>1158<br>1806         | 16.7<br>-0.1<br>15.9         | 509<br>-3<br>485         | <b>29</b><br><b>Mar</b> | 520<br>1133<br>1742<br>2347 | 17.0<br>-0.4<br>16.3<br>0.6 | 518<br>-12<br>497<br>18  |
| <b>15</b><br><b>Mié</b> | 418<br>1030<br>1637<br>2252 | 16.1<br>0.7<br>16.8<br>-0.9 | 491<br>21<br>512<br>-27  | <b>30</b><br><b>Jue</b> | 432<br>1041<br>1643<br>2255 | 14.3<br>2.7<br>14.7<br>1.4 | 436<br>82<br>448<br>43   | <b>15</b><br><b>Sáb</b> | 540<br>1146<br>1755<br>2359 | 17.1<br>-0.4<br>16.6<br>-0.5 | 521<br>-12<br>506<br>-15 | <b>30</b><br><b>Dom</b> | 516<br>1124<br>1730<br>2335 | 16.1<br>0.7<br>15.8<br>0.5 | 491<br>21<br>482<br>15   | <b>15</b><br><b>Mar</b> | 10<br>623<br>1235<br>1842   | 0.9<br>16.1<br>0.7<br>15.1   | 27<br>491<br>21<br>460   | <b>30</b><br><b>Mié</b> | 559<br>1212<br>1823         | 16.9<br>-0.2<br>15.9        | 515<br>-6<br>485         |
|                         |                             |                             |                          | <b>31</b><br><b>Vie</b> | 510<br>1115<br>1720<br>2327 | 14.8<br>2.2<br>15.0<br>1.1 | 451<br>67<br>457<br>34   |                         |                             |                              |                          | <b>31</b><br><b>Lun</b> | 551<br>1159<br>1806         | 16.4<br>0.4<br>15.7        | 500<br>12<br>479         |                         |                             |                              |                          |                         |                             |                             |                          |

Fuente: Canal de Panamá (HIAM)

Jorge F. Rodríguez C.



Luna Nueva



Cuarto Creciente



Luna Llena



Cuarto Menguante

## Altos de Diablo, Océano Pacífico 2026

### Horas y Niveles de Mareas Altas y Bajas

Estación ID: DHT / (8.965633 N / -79.573064 O) / Tipo de estación: Armónica (primaria) / Zona horaria: UTC -5h / Datum: MLWS

| Octubre                |       |      |      | Noviembre |                         |      |       | Diciembre |                        |       |      |      |                         |      |      |      |                        |      |      |      |                         |      |      |      |      |     |  |
|------------------------|-------|------|------|-----------|-------------------------|------|-------|-----------|------------------------|-------|------|------|-------------------------|------|------|------|------------------------|------|------|------|-------------------------|------|------|------|------|-----|--|
| Hora                   | Nivel |      | Hora | Nivel     |                         | Hora | Nivel |           | Hora                   | Nivel |      | Hora | Nivel                   |      |      |      |                        |      |      |      |                         |      |      |      |      |     |  |
|                        | h     | m    | pies | cm        | h                       | m    | pies  | cm        | h                      | m     | pies | cm   | h                       | m    | pies | cm   |                        |      |      |      |                         |      |      |      |      |     |  |
| <b>1</b><br><b>Jue</b> | 29    | 1.1  | 34   |           | <b>16</b><br><b>Vie</b> | 57   | 3.5   | 107       | <b>1</b><br><b>Dom</b> | 204   | 2.9  | 88   | <b>16</b><br><b>Lun</b> | 159  | 4.8  | 146  | <b>1</b><br><b>Mar</b> | 258  | 2.7  | 82   | <b>16</b><br><b>Mié</b> | 221  | 4.0  | 122  |      |     |  |
|                        | 640   | 16.3 | 497  | 701       |                         | 14.1 | 430   | 814       |                        | 14.7  | 448  | 758  |                         | 12.9 | 393  | 903  |                        | 14.2 | 433  | 815  |                         | 12.9 | 393  | 1436 | 3.8  | 116 |  |
|                        | 1254  | 0.5  | 15   | 1318      |                         | 3.0  | 91    | 1430      |                        | 2.4   | 73   | 1419 |                         | 4.4  | 134  | 1520 |                        | 2.6  | 79   | 2052 |                         | 14.6 | 445  | 2052 | 13.5 | 411 |  |
|                        | 1907  | 15.2 | 463  | 1930      |                         | 13.4 | 408   | 2101      |                        | 14.2  | 433  | 2040 |                         | 12.9 | 393  | 2147 |                        | 14.6 | 445  |      |                         |      |      |      |      |     |  |
| <b>2</b><br><b>Vie</b> | 116   | 2.0  | 61   |           | <b>17</b><br><b>Sáb</b> | 138  | 4.4   | 134       | <b>2</b><br><b>Lun</b> | 312   | 3.6  | 110  | <b>17</b><br><b>Mar</b> | 253  | 5.2  | 158  | <b>2</b><br><b>Mié</b> | 402  | 3.2  | 98   | <b>17</b><br><b>Jue</b> | 312  | 4.2  | 128  |      |     |  |
|                        | 726   | 15.5 | 472  | 740       |                         | 13.2 | 402   | 921       |                        | 13.8  | 421  | 847  |                         | 12.3 | 375  | 1011 |                        | 13.3 | 405  | 902  |                         | 12.4 | 378  | 1529 | 4.2  | 128 |  |
|                        | 1343  | 1.6  | 49   | 1400      |                         | 4.0  | 122   | 1541      |                        | 3.3   | 101  | 1516 |                         | 4.9  | 149  | 1624 |                        | 3.2  | 98   | 1529 |                         | 4.2  | 128  | 2140 | 13.4 | 408 |  |
|                        | 1959  | 14.3 | 436  | 2017      |                         | 12.6 | 384   | 2214      |                        | 13.9  | 424  | 2135 |                         | 12.7 | 387  | 2251 |                        | 14.3 | 436  |      |                         |      |      |      |      |     |  |
| <b>3</b><br><b>Sáb</b> | 211   | 3.0  | 91   |           | <b>18</b><br><b>Dom</b> | 226  | 5.2   | 158       | <b>3</b><br><b>Mar</b> | 426   | 4.0  | 122  | <b>18</b><br><b>Mié</b> | 355  | 5.4  | 165  | <b>3</b><br><b>Jue</b> | 506  | 3.4  | 104  | <b>18</b><br><b>Vie</b> | 407  | 4.2  | 128  |      |     |  |
|                        | 820   | 14.4 | 439  | 826       |                         | 12.4 | 378   | 1041      |                        | 13.2  | 402  | 948  |                         | 11.9 | 363  | 1129 |                        | 13.0 | 396  | 1002 |                         | 12.0 | 366  | 1625 | 4.3  | 131 |  |
|                        | 1441  | 2.7  | 82   | 1453      |                         | 4.9  | 149   | 1655      |                        | 3.6   | 110  | 1620 |                         | 5.1  | 155  | 1727 |                        | 3.6  | 110  | 1625 |                         | 4.3  | 131  | 2238 | 13.4 | 408 |  |
|                        | 2104  | 13.4 | 408  | 2114      |                         | 12.0 | 366   | 2329      |                        | 13.9  | 424  | 2235 |                         | 12.7 | 387  | 2357 |                        | 14.1 | 430  |      |                         |      |      |      |      |     |  |
| <b>4</b><br><b>Dom</b> | 317   | 3.9  | 119  |           | <b>19</b><br><b>Lun</b> | 327  | 5.8   | 177       | <b>4</b><br><b>Mié</b> | 538   | 3.8  | 116  | <b>19</b><br><b>Jue</b> | 457  | 5.2  | 158  | <b>4</b><br><b>Vie</b> | 608  | 3.3  | 101  | <b>19</b><br><b>Sáb</b> | 504  | 3.9  | 119  |      |     |  |
|                        | 928   | 13.5 | 411  | 925       |                         | 11.7 | 357   | 1202      |                        | 13.3  | 405  | 1104 |                         | 11.8 | 360  | 1240 |                        | 13.1 | 399  | 1117 |                         | 12.0 | 366  | 1723 | 4.3  | 131 |  |
|                        | 1552  | 3.6  | 110  | 1601      |                         | 5.5  | 168   | 1804      |                        | 3.5   | 107  | 1721 |                         | 4.9  | 149  | 1827 |                        | 3.8  | 116  | 1723 |                         | 4.3  | 131  | 2338 | 13.6 | 415 |  |
|                        | 2226  | 13.0 | 396  | 2224      |                         | 11.8 | 360   |           |                        |       |      | 2338 |                         | 13.1 | 399  |      |                        |      |      |      |                         |      |      |      |      |     |  |
| <b>5</b><br><b>Lun</b> | 435   | 4.4  | 134  |           | <b>20</b><br><b>Mar</b> | 438  | 6.0   | 183       | <b>5</b><br><b>Jue</b> | 35    | 14.4 | 439  | <b>20</b><br><b>Vie</b> | 558  | 4.6  | 140  | <b>5</b><br><b>Sáb</b> | 55   | 14.1 | 430  | <b>20</b><br><b>Dom</b> | 603  | 3.4  | 104  |      |     |  |
|                        | 1054  | 13.0 | 396  | 1045      |                         | 11.5 | 351   | 643       |                        | 3.3   | 101  | 1218 |                         | 12.3 | 375  | 707  |                        | 3.0  | 91   | 1229 |                         | 12.5 | 381  | 1822 | 4.0  | 122 |  |
|                        | 1713  | 3.8  | 116  | 1715      |                         | 5.5  | 168   | 1309      |                        | 13.8  | 421  | 1817 |                         | 4.5  | 137  | 1336 |                        | 13.5 | 411  | 1822 |                         | 4.0  | 122  |      |      |     |  |
|                        | 2350  | 13.2 | 402  | 2337      |                         | 12.1 | 369   | 1904      |                        | 3.2   | 98   |      |                         |      |      | 1925 |                        | 3.8  | 116  |      |                         |      |      |      |      |     |  |
| <b>6</b><br><b>Mar</b> | 555   | 4.2  | 128  |           | <b>21</b><br><b>Mié</b> | 550  | 5.6   | 171       | <b>6</b><br><b>Vie</b> | 129   | 14.9 | 454  | <b>21</b><br><b>Sáb</b> | 34   | 13.8 | 421  | <b>6</b><br><b>Dom</b> | 146  | 14.3 | 436  | <b>21</b><br><b>Lun</b> | 40   | 14.1 | 430  |      |     |  |
|                        | 1220  | 13.3 | 405  | 1208      |                         | 11.8 | 360   | 741       |                        | 2.5   | 76   | 655  |                         | 3.7  | 113  | 803  |                        | 2.6  | 79   | 705  |                         | 2.7  | 82   | 1327 | 13.3 | 405 |  |
|                        | 1830  | 3.4  | 104  | 1821      |                         | 5.0  | 152   | 1402      |                        | 14.4  | 439  | 1316 |                         | 13.1 | 399  | 1423 |                        | 13.8 | 421  | 1327 |                         | 13.3 | 405  | 1924 | 3.4  | 104 |  |
|                        |       |      |      |           |                         |      |       | 1957      |                        | 2.8   | 85   | 1911 |                         | 3.8  | 116  | 2018 |                        | 3.6  | 110  |      |                         |      |      |      |      |     |  |
| <b>7</b><br><b>Mié</b> | 59    | 14.0 | 427  |           | <b>22</b><br><b>Jue</b> | 38   | 12.8  | 390       | <b>7</b><br><b>Sáb</b> | 215   | 15.4 | 469  | <b>22</b><br><b>Dom</b> | 124  | 14.7 | 448  | <b>7</b><br><b>Lun</b> | 231  | 14.4 | 439  | <b>22</b><br><b>Mar</b> | 137  | 14.8 | 451  |      |     |  |
|                        | 708   | 3.3  | 101  | 653       |                         | 4.9  | 149   | 831       |                        | 1.8   | 55   | 747  |                         | 2.6  | 79   | 852  |                        | 2.1  | 64   | 805  |                         | 1.7  | 52   | 1420 | 14.2 | 433 |  |
|                        | 1328  | 14.1 | 430  | 1311      |                         | 12.6 | 384   | 1446      |                        | 14.9  | 454  | 1403 |                         | 14.1 | 430  | 1505 |                        | 14.1 | 430  | 1420 |                         | 14.2 | 433  | 2025 | 2.5  | 76  |  |
|                        | 1934  | 2.5  | 76   | 1915      |                         | 4.3  | 131   | 2045      |                        | 2.4   | 73   | 2002 |                         | 3.0  | 91   | 2107 |                        | 3.3  | 101  |      |                         |      |      |      |      |     |  |

|                         |                             |                            |                        |                         |                             |                             |                          |                         |                             |                            |                          |                         |                             |                             |                         |                         |                             |                            |                          |                         |                             |                             |                         |
|-------------------------|-----------------------------|----------------------------|------------------------|-------------------------|-----------------------------|-----------------------------|--------------------------|-------------------------|-----------------------------|----------------------------|--------------------------|-------------------------|-----------------------------|-----------------------------|-------------------------|-------------------------|-----------------------------|----------------------------|--------------------------|-------------------------|-----------------------------|-----------------------------|-------------------------|
| <b>8</b><br><b>Jue</b>  | 155<br>807<br>1421<br>2026  | 15.0<br>2.3<br>14.9<br>1.7 | 457<br>70<br>454<br>52 | <b>23</b><br><b>Vie</b> | 127<br>746<br>1359<br>2001  | 13.8<br>3.8<br>13.6<br>3.3  | 421<br>116<br>415<br>101 | <b>8</b><br><b>Dom</b>  | 257<br>915<br>1526<br>2128  | 15.6<br>1.2<br>15.3<br>2.2 | 475<br>37<br>466<br>67   | <b>23</b><br><b>Lun</b> | 210<br>836<br>1447<br>2051  | 15.6<br>1.4<br>15.0<br>2.2  | 475<br>43<br>457<br>67  | <b>8</b><br><b>Mar</b>  | 312<br>935<br>1543<br>2151  | 14.6<br>1.7<br>14.3<br>3.0 | 445<br>52<br>436<br>91   | <b>23</b><br><b>Mié</b> | 231<br>901<br>1511<br>2123  | 15.5<br>0.6<br>15.1<br>1.6  | 472<br>18<br>460<br>49  |
| <b>9</b><br><b>Vie</b>  | 242<br>856<br>1507<br>2111  | 15.8<br>1.2<br>15.6<br>1.1 | 482<br>37<br>475<br>34 | <b>24</b><br><b>Sáb</b> | 209<br>830<br>1439<br>2043  | 14.8<br>2.5<br>14.5<br>2.4  | 451<br>76<br>442<br>73   | <b>9</b><br><b>Lun</b>  | 335<br>955<br>1604<br>2208  | 15.7<br>0.8<br>15.4<br>2.1 | 479<br>24<br>469<br>64   | <b>24</b><br><b>Mar</b> | 256<br>922<br>1531<br>2139  | 16.3<br>0.4<br>15.8<br>1.4  | 497<br>12<br>482<br>43  | <b>9</b><br><b>Mié</b>  | 352<br>1014<br>1621<br>2230 | 14.6<br>1.5<br>14.4<br>2.9 | 445<br>46<br>439<br>88   | <b>24</b><br><b>Jue</b> | 326<br>952<br>1604<br>2216  | 16.2<br>-0.4<br>15.8<br>0.7 | 494<br>-12<br>482<br>21 |
| <b>10</b><br><b>Sáb</b> | 324<br>939<br>1548<br>2151  | 16.3<br>0.4<br>16.0<br>0.8 | 497<br>12<br>488<br>24 | <b>25</b><br><b>Dom</b> | 249<br>911<br>1518<br>2123  | 15.8<br>1.3<br>15.4<br>1.6  | 482<br>40<br>469<br>49   | <b>10</b><br><b>Mar</b> | 413<br>1032<br>1640<br>2246 | 15.7<br>0.8<br>15.3<br>2.2 | 479<br>24<br>466<br>67   | <b>25</b><br><b>Mié</b> | 343<br>1008<br>1618<br>2227 | 16.8<br>-0.4<br>16.3<br>0.8 | 512<br>-12<br>497<br>24 | <b>10</b><br><b>Jue</b> | 430<br>1050<br>1659<br>2307 | 14.6<br>1.4<br>14.4<br>2.9 | 445<br>43<br>439<br>88   | <b>25</b><br><b>Vie</b> | 421<br>1041<br>1658<br>2307 | 16.7<br>-1.1<br>16.3<br>0.1 | 509<br>-34<br>497<br>3  |
| <b>11</b><br><b>Dom</b> | 403<br>1018<br>1626<br>2230 | 16.6<br>0.0<br>16.2<br>0.8 | 506<br>0<br>494<br>24  | <b>26</b><br><b>Lun</b> | 328<br>950<br>1558<br>2203  | 16.6<br>0.2<br>16.1<br>1.0  | 506<br>6<br>491<br>30    | <b>11</b><br><b>Mié</b> | 449<br>1108<br>1716<br>2322 | 15.4<br>1.0<br>15.0<br>2.6 | 469<br>30<br>457<br>79   | <b>26</b><br><b>Jue</b> | 433<br>1053<br>1707<br>2315 | 17.1<br>-0.8<br>16.5<br>0.6 | 521<br>-24<br>503<br>18 | <b>11</b><br><b>Vie</b> | 507<br>1124<br>1736<br>2342 | 14.5<br>1.5<br>14.3<br>3.0 | 442<br>46<br>436<br>91   | <b>26</b><br><b>Sáb</b> | 515<br>1128<br>1752<br>2356 | 16.9<br>-1.4<br>16.6<br>0.0 | 515<br>-43<br>506<br>0  |
| <b>12</b><br><b>Lun</b> | 440<br>1055<br>1703<br>2307 | 16.5<br>0.0<br>16.0<br>1.2 | 503<br>0<br>488<br>37  | <b>27</b><br><b>Mar</b> | 409<br>1029<br>1638<br>2244 | 17.1<br>-0.5<br>16.5<br>0.6 | 521<br>-15<br>503<br>18  | <b>12</b><br><b>Jue</b> | 525<br>1142<br>1752<br>2358 | 15.1<br>1.5<br>14.6<br>3.0 | 460<br>46<br>445<br>91   | <b>27</b><br><b>Vie</b> | 524<br>1139<br>1800         | 17.0<br>-0.8<br>16.4        | 518<br>-24<br>500       | <b>12</b><br><b>Sáb</b> | 544<br>1157<br>1814         | 14.4<br>1.8<br>14.2        | 439<br>55<br>433         | <b>27</b><br><b>Dom</b> | 608<br>1215<br>1844         | 16.8<br>-1.2<br>16.7        | 512<br>-37<br>509       |
| <b>13</b><br><b>Mar</b> | 515<br>1131<br>1738<br>2343 | 16.2<br>0.3<br>15.6<br>1.8 | 494<br>9<br>475<br>55  | <b>28</b><br><b>Mié</b> | 452<br>1110<br>1722<br>2328 | 17.3<br>-0.7<br>16.5<br>0.7 | 527<br>-21<br>503<br>21  | <b>13</b><br><b>Vie</b> | 601<br>1216<br>1830         | 14.6<br>2.1<br>14.2        | 445<br>64<br>433         | <b>28</b><br><b>Sáb</b> | 5<br>617<br>1227<br>1854    | 0.8<br>16.7<br>-0.2<br>16.1 | 24<br>509<br>-6<br>491  | <b>13</b><br><b>Dom</b> | 17<br>620<br>1231<br>1852   | 3.2<br>14.2<br>2.2<br>14.1 | 98<br>433<br>67<br>430   | <b>28</b><br><b>Lun</b> | 47<br>657<br>1304<br>1933   | 0.2<br>16.3<br>-0.4<br>16.4 | 6<br>497<br>-12<br>500  |
| <b>14</b><br><b>Mié</b> | 550<br>1206<br>1814         | 15.6<br>1.1<br>14.9        | 475<br>34<br>454       | <b>29</b><br><b>Jue</b> | 538<br>1152<br>1808         | 17.1<br>-0.5<br>16.2        | 521<br>-15<br>494        | <b>14</b><br><b>Sáb</b> | 34<br>637<br>1251<br>1910   | 3.6<br>14.1<br>2.9<br>13.7 | 110<br>430<br>88<br>418  | <b>29</b><br><b>Dom</b> | 58<br>710<br>1319<br>1950   | 1.4<br>16.0<br>0.6<br>15.7  | 43<br>488<br>18<br>479  | <b>14</b><br><b>Lun</b> | 54<br>656<br>1308<br>1930   | 3.4<br>13.8<br>2.7<br>13.9 | 104<br>421<br>82<br>424  | <b>29</b><br><b>Mar</b> | 138<br>746<br>1355<br>2021  | 0.8<br>15.4<br>0.6<br>15.8  | 24<br>469<br>18<br>482  |
| <b>15</b><br><b>Jue</b> | 19<br>625<br>1241<br>1850   | 2.6<br>14.9<br>2.0<br>14.2 | 79<br>454<br>61<br>433 | <b>30</b><br><b>Vie</b> | 14<br>626<br>1238<br>1859   | 1.2<br>16.5<br>0.3<br>15.6  | 37<br>503<br>9<br>475    | <b>15</b><br><b>Dom</b> | 114<br>716<br>1331<br>1953  | 4.2<br>13.5<br>3.7<br>13.2 | 128<br>411<br>113<br>402 | <b>30</b><br><b>Lun</b> | 155<br>805<br>1417<br>2046  | 2.1<br>15.1<br>1.6<br>15.2  | 64<br>460<br>49<br>463  | <b>15</b><br><b>Mar</b> | 135<br>734<br>1349<br>2010  | 3.8<br>13.4<br>3.3<br>13.7 | 116<br>408<br>101<br>418 | <b>30</b><br><b>Mié</b> | 232<br>836<br>1449<br>2109  | 1.5<br>14.4<br>1.7<br>14.9  | 46<br>439<br>52<br>454  |
|                         |                             |                            |                        | <b>31</b><br><b>Sáb</b> | 105<br>717<br>1330<br>1956  | 1.9<br>15.7<br>1.3<br>14.9  | 58<br>479<br>40<br>454   |                         |                             |                            |                          |                         |                             |                             |                         |                         |                             |                            |                          | <b>31</b><br><b>Jue</b> | 328<br>932<br>1546<br>2203  | 2.2<br>13.2<br>2.8<br>14    | 67<br>402<br>85<br>427  |

Fuente: Canal de Panamá (HIAM)

Jorge F. Rodríguez C.



Luna Nueva



Cuarto Creciente



Luna Llena



Cuarto Menguante

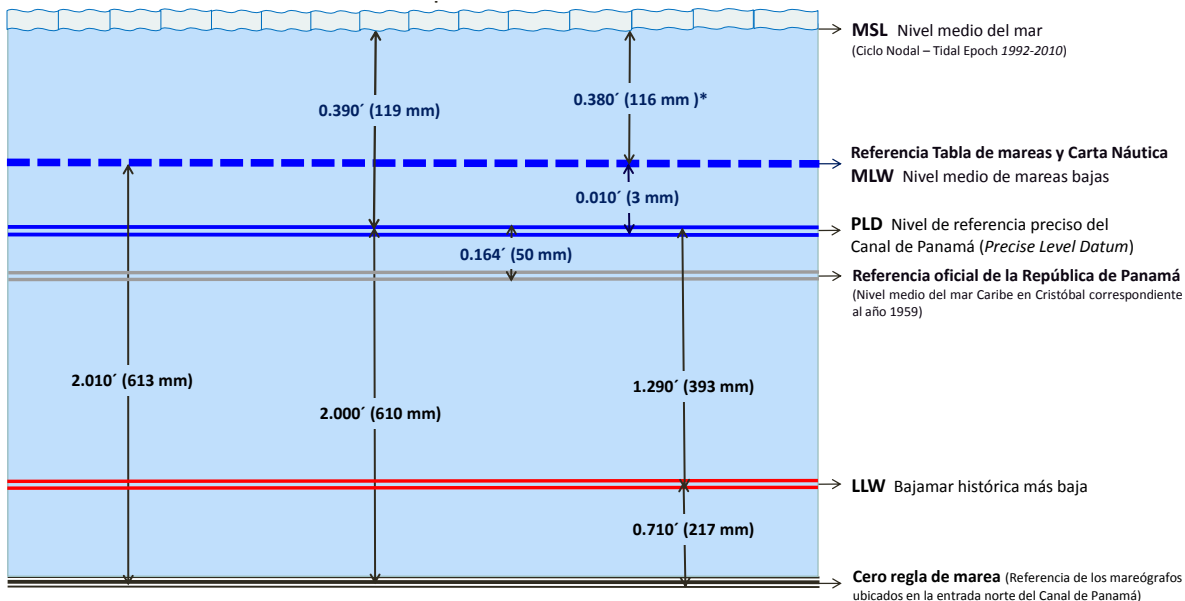
# Mareas

## Mar Caribe

Vista del Puente Atlántico, al fondo varios buques en Bahía Limón, esperan su turno para cruzar el Canal.



## Niveles de referencia para alturas de la marea en el Mar Caribe



\*Elevación del nivel medio del mar (MSL, por sus siglas en inglés) sobre el plano de referencia "Chart DATUM" de la predicción de la marea. NOAA's Center for Operational Oceanographic Products and Services (CO-OPS)

Escala: sin escala

En el mar Caribe las mareas son mixtas. Este tipo de mareas, similar a las semidiurnas, puede tener dos ciclos de pleamar y bajamar al día. Sin embargo, a diferencia de las mareas semidiurnas, las mareas mixtas no son iguales, lo que significa que no se elevan y caen a los mismos niveles. Las mareas mixtas pueden incluir dos pares de pleamares y bajamares distintas, o solo un par de mareas distintas. Este tipo de marea ocurre cuando la Luna está extremadamente al norte o extremadamente al sur del ecuador.

## Notas explicativas

Todos los datos están en hora local de la República de Panamá (hora del meridiano 75). Las horas están numeradas consecutivamente desde la hora 0 (medianoche) hasta la 23 (11 p.m.); la hora 12 corresponde al mediodía y las horas mayores de 12 corresponden a la tarde.

La tabla de mareas está basada en el mismo nivel de referencia utilizado para las cartas de navegación de la localidad. Para encontrar la profundidad real en un momento dado, deberán sumarse la altura de marea, que aparece en la tabla, y la profundidad que está en la carta de navegación. Si la altura de marea está

precedida de un signo menos, ésta deberá restarse de la profundidad registrada en la carta.

El nivel de referencia de las predicciones de las mareas en la entrada norte del Canal de Panamá (mar Caribe), en Cristóbal, se encuentra 0.116 m (0.380 pies) por debajo del Nivel Medio del Mar (MSL), correspondiente al Ciclo Nodal (Lunar) de 1992-2010.

Con base en las elevaciones medias de mareas para el Ciclo Nodal (Tidal Datum Epoch) de 19 años, 1992-2010, el NIVEL MEDIO DE LAS MAREAS BAJAS (MLW, por sus siglas en inglés) en Cristóbal está 0.003 m (0.01 pies) por arriba del Nivel Preciso de Referencia del Canal de Panamá (PLD, por sus siglas en inglés).

## Bahía Limón, Océano Atlántico



## Bahía Limón, Océano Atlántico 2026

### Horas y Niveles de Mareas Altas y Bajas

Estación ID: LMB / (9.354983 N-79.914814 O) / Tipo de estación: Armónica (primaria) / Zona horaria: UTC -5h / Datum: MLW

| Enero           |      |       |      | Febrero |                  |       |     | Marzo |    |                 |      |      |      |       |                  |      |     |      |    |                 |      |     |    |    |                  |      |     |    |    |
|-----------------|------|-------|------|---------|------------------|-------|-----|-------|----|-----------------|------|------|------|-------|------------------|------|-----|------|----|-----------------|------|-----|----|----|------------------|------|-----|----|----|
| Hora            |      | Nivel |      | Hora    |                  | Nivel |     | Hora  |    | Nivel           |      | Hora |      | Nivel |                  |      |     |      |    |                 |      |     |    |    |                  |      |     |    |    |
|                 | h    | m     | pies | cm      |                  | h     | m   | pies  | cm |                 | h    | m    | pies | cm    |                  | h    | m   | pies | cm |                 |      |     |    |    |                  |      |     |    |    |
| <b>1</b><br>Jue | 142  | 0.1   | 3    | 49      | <b>16</b><br>Vie | 1027  | 1.3 | 40    | 0  | <b>1</b><br>Dom | 39   | 0.2  | 6    | 6     | <b>16</b><br>Lun | 56   | 0.3 | 9    | 9  | <b>1</b><br>Dom | 241  | 0.2 | 6  | 6  | <b>16</b><br>Lun | 206  | 0.3 | 9  | 9  |
|                 | 1012 | 1.6   | 49   | 3       |                  | 1945  | 0.0 | 0     | 0  |                 | 313  | 0.2  | 6    | 6     |                  | 134  | 0.3 | 9    | 9  |                 | 1029 | 1.2 | 37 | 37 |                  | 931  | 1.0 | 30 | 30 |
|                 | 1832 | 0.0   | 0    | 0       |                  |       |     |       |    |                 | 1143 | 1.4  | 43   | 43    |                  | 1103 | 1.1 | 34   | 34 |                 | 1757 | 0.1 | 3  | 3  |                  | 1714 | 0.3 | 9  | 9  |
|                 | 2341 | 0.2   | 6    | 6       |                  |       |     |       |    |                 | 1947 | 0.0  | 0    | 0     |                  | 1941 | 0.2 | 6    | 6  |                 |      |     |    |    |                  | 2302 | 0.6 | 18 | 18 |
| <b>2</b><br>Vie | 224  | 0.1   | 3    | 49      | <b>17</b><br>Sáb | 1105  | 1.3 | 40    | 0  | <b>2</b><br>Lun | 215  | 0.4  | 12   | 12    | <b>17</b><br>Mar | 205  | 0.4 | 12   | 12 | <b>2</b><br>Lun | 11   | 0.5 | 15 | 15 | <b>17</b><br>Mar | 326  | 0.4 | 12 | 12 |
|                 | 1106 | 1.6   | 49   | 3       |                  | 2035  | 0.0 | 0     | 0  |                 | 413  | 0.3  | 9    | 9     |                  | 228  | 0.4 | 12   | 12 |                 | 352  | 0.3 | 9  | 9  |                  | 1016 | 0.9 | 27 | 27 |
|                 | 1930 | -0.1  | -3   | -3      |                  |       |     |       |    |                 | 1236 | 1.3  | 40   | 40    |                  | 1145 | 1.1 | 34   | 34 |                 | 1125 | 1.1 | 34 | 34 |                  | 1739 | 0.3 | 9  | 9  |
| <b>3</b><br>Sáb | 131  | 0.2   | 6    | 49      | <b>18</b><br>Dom | 1144  | 1.3 | 40    | 0  | <b>3</b><br>Mar | 334  | 0.5  | 15   | 15    | <b>18</b><br>Mié | 232  | 0.5 | 15   | 15 | <b>3</b><br>Mar | 122  | 0.6 | 18 | 18 | <b>18</b><br>Mié | 529  | 0.5 | 15 | 15 |
|                 | 304  | 0.2   | 6    | 6       |                  | 2112  | 0.0 | 0     | 0  |                 | 613  | 0.5  | 15   | 15    |                  | 547  | 0.5 | 15   | 15 |                 | 544  | 0.4 | 12 | 12 |                  | 1109 | 0.8 | 24 | 24 |
|                 | 1203 | 1.6   | 49   | 3       |                  |       |     |       |    |                 | 1329 | 1.1  | 34   | 34    |                  | 1228 | 0.9 | 27   | 27 |                 | 1226 | 0.9 | 27 | 27 |                  | 1759 | 0.4 | 12 | 12 |
|                 | 2027 | -0.1  | -3   | -3      |                  |       |     |       |    |                 | 2108 | 0.1  | 3    | 3     |                  | 2025 | 0.3 | 9    | 9  |                 | 1924 | 0.3 | 9  | 9  |                  |      |     |    |    |
| <b>4</b><br>Dom | 1258 | 1.5   | 46   | 3       | <b>19</b><br>Lun | 1222  | 1.2 | 37    | 3  | <b>4</b><br>Mié | 421  | 0.7  | 21   | 21    | <b>19</b><br>Jue | 303  | 0.7 | 21   | 21 | <b>4</b><br>Mié | 222  | 0.7 | 21 | 21 | <b>19</b><br>Jue | 41   | 0.9 | 27 | 27 |
|                 | 2116 | -0.1  | -3   | -3      |                  | 2137  | 0.1 | 3     | 3  |                 | 824  | 0.5  | 15   | 15    |                  | 805  | 0.5 | 15   | 15 |                 | 743  | 0.4 | 12 | 12 |                  | 725  | 0.4 | 12 | 12 |
|                 |      |       |      |         |                  |       |     |       |    |                 | 1432 | 0.9  | 27   | 27    |                  | 1316 | 0.8 | 24   | 24 |                 | 1341 | 0.8 | 24 | 24 |                  | 1215 | 0.6 | 18 | 18 |
| <b>5</b><br>Lun | 1351 | 1.4   | 43   | 0       | <b>20</b><br>Mar | 1300  | 1.2 | 37    | 3  | <b>5</b><br>Jue | 457  | 0.8  | 24   | 24    | <b>20</b><br>Vie | 338  | 0.9 | 27   | 27 | <b>5</b><br>Jue | 311  | 0.8 | 24 | 24 | <b>20</b><br>Vie | 127  | 1.0 | 30 | 30 |
|                 | 2157 | 0.0   | 0    | 0       |                  | 2154  | 0.1 | 3     | 3  |                 | 1010 | 0.5  | 15   | 15    |                  | 942  | 0.4 | 12   | 12 |                 | 919  | 0.4 | 12 | 12 |                  | 854  | 0.3 | 9  | 9  |
|                 |      |       |      |         |                  |       |     |       |    |                 | 1601 | 0.8  | 24   | 24    |                  | 1422 | 0.6 | 18   | 18 |                 | 1535 | 0.6 | 18 | 18 |                  | 1403 | 0.5 | 15 | 15 |
|                 |      |       |      |         |                  |       |     |       |    |                 | 2203 | 0.2  | 6    | 6     |                  | 2056 | 0.3 | 9    | 9  |                 | 2028 | 0.4 | 12 | 12 |                  | 1850 | 0.4 | 12 | 12 |
| <b>6</b><br>Mar | 512  | 0.6   | 18   | 0       | <b>21</b><br>Mié | 1336  | 1.1 | 34    | 6  | <b>6</b><br>Vie | 528  | 1.0  | 30   | 30    | <b>21</b><br>Sáb | 415  | 1.0 | 30   | 30 | <b>6</b><br>Vie | 352  | 0.9 | 27 | 27 | <b>21</b><br>Sáb | 215  | 1.1 | 34 | 34 |
|                 | 725  | 0.6   | 18   | 6       |                  | 2208  | 0.2 | 6     | 6  |                 | 1132 | 0.4  | 12   | 12    |                  | 1101 | 0.3 | 9    | 9  |                 | 1031 | 0.2 | 6  | 6  |                  | 1003 | 0.1 | 3  | 3  |
|                 | 1445 | 1.2   | 37   | 3       |                  |       |     |       |    |                 | 1725 | 0.6  | 18   | 18    |                  | 1650 | 0.5 | 15   | 15 |                 | 1700 | 0.6 | 18 | 18 |                  | 1701 | 0.4 | 12 | 12 |
|                 | 2231 | 0.0   | 0    | 0       |                  |       |     |       |    |                 | 2227 | 0.2  | 6    | 6     |                  | 2118 | 0.3 | 9    | 9  |                 | 2056 | 0.4 | 12 | 12 |                  | 1933 | 0.4 | 12 | 12 |
| <b>7</b><br>Mié | 543  | 0.8   | 24   | 3       | <b>22</b><br>Jue | 528   | 0.7 | 21    | 6  | <b>7</b><br>Sáb | 557  | 1.1  | 34   | 34    | <b>22</b><br>Dom | 454  | 1.2 | 37   | 37 | <b>7</b><br>Sáb | 427  | 1.0 | 30 | 30 | <b>22</b><br>Dom | 310  | 1.2 | 37 | 37 |
|                 | 929  | 0.6   | 18   | 18      |                  | 841   | 0.6 | 18    | 18 |                 | 1238 | 0.3  | 9    | 9     |                  | 1205 | 0.2 | 6    | 6  |                 | 1127 | 0.1 | 3  | 3  |                  | 1059 | 0.0 | 0  | 0  |
|                 | 1545 | 1.1   | 34   | 27      |                  | 1414  | 0.9 | 27    | 27 |                 | 1822 | 0.6  | 18   | 18    |                  | 1800 | 0.4 | 12   | 12 |                 | 1752 | 0.5 | 15 | 15 |                  | 1742 | 0.4 | 12 | 12 |
|                 | 2259 | 0.1   | 3    | 6       |                  | 2217  | 0.2 | 6     | 6  |                 | 2251 | 0.2  | 6    | 6     |                  | 2149 | 0.2 | 6    | 6  |                 | 2123 | 0.3 | 9  | 9  |                  | 2023 | 0.3 | 9  | 9  |

|                  |                             |                          |                     |                  |                             |                          |                     |                  |                             |                          |                    |                  |                             |                          |                    |                  |                             |                          |                    |                  |                             |                           |                     |
|------------------|-----------------------------|--------------------------|---------------------|------------------|-----------------------------|--------------------------|---------------------|------------------|-----------------------------|--------------------------|--------------------|------------------|-----------------------------|--------------------------|--------------------|------------------|-----------------------------|--------------------------|--------------------|------------------|-----------------------------|---------------------------|---------------------|
| <b>8</b><br>Jue  | 615<br>1119<br>1657<br>2324 | 0.9<br>0.6<br>0.9<br>0.1 | 27<br>18<br>27<br>3 | <b>23</b><br>Vie | 531<br>1028<br>1459<br>2225 | 0.9<br>0.6<br>0.8<br>0.2 | 27<br>18<br>24<br>6 | <b>8</b><br>Dom  | 626<br>1333<br>1905<br>2316 | 1.1<br>0.2<br>0.5<br>0.2 | 34<br>6<br>15<br>6 | <b>23</b><br>Lun | 537<br>1259<br>1843<br>2228 | 1.3<br>0.1<br>0.4<br>0.2 | 40<br>3<br>12<br>6 | <b>8</b><br>Dom  | 459<br>1214<br>1830<br>2152 | 1.0<br>0.1<br>0.5<br>0.3 | 30<br>3<br>15<br>9 | <b>23</b><br>Lun | 408<br>1149<br>1813<br>2114 | 1.3<br>-0.1<br>0.4<br>0.3 | 40<br>-3<br>12<br>9 |
| <b>9</b><br>Vie  | 645<br>1247<br>1808<br>2347 | 1.1<br>0.5<br>0.7<br>0.2 | 34<br>15<br>21<br>6 | <b>24</b><br>Sáb | 550<br>1201<br>1613<br>2237 | 1.0<br>0.5<br>0.6<br>0.2 | 30<br>15<br>18<br>6 | <b>9</b><br>Lun  | 655<br>1424<br>1941<br>2343 | 1.1<br>0.1<br>0.4<br>0.2 | 34<br>3<br>12<br>6 | <b>24</b><br>Mar | 621<br>1350<br>1920<br>2313 | 1.3<br>0.0<br>0.4<br>0.1 | 40<br>0<br>12<br>3 | <b>9</b><br>Lun  | 529<br>1258<br>1900<br>2222 | 1.1<br>0.0<br>0.4<br>0.3 | 34<br>0<br>12<br>9 | <b>24</b><br>Mar | 504<br>1237<br>1844<br>2206 | 1.3<br>-0.1<br>0.4<br>0.2 | 40<br>-3<br>12<br>6 |
| <b>10</b><br>Sáb | 715<br>1400<br>1908         | 1.2<br>0.4<br>0.6        | 37<br>12<br>18      | <b>25</b><br>Dom | 617<br>1315<br>1804<br>2259 | 1.2<br>0.3<br>0.5<br>0.2 | 37<br>9<br>15<br>6  | <b>10</b><br>Mar | 725<br>1512<br>2013         | 1.2<br>0.1<br>0.3        | 37<br>3<br>9       | <b>25</b><br>Mié | 707<br>1439<br>1957         | 1.4<br>0.0<br>0.3        | 43<br>0<br>9       | <b>10</b><br>Mar | 600<br>1340<br>1926<br>2252 | 1.1<br>0.0<br>0.4<br>0.2 | 34<br>0<br>12<br>6 | <b>25</b><br>Mié | 555<br>1323<br>1917<br>2302 | 1.3<br>-0.1<br>0.4<br>0.2 | 40<br>-3<br>12<br>6 |
| <b>11</b><br>Dom | 10<br>744<br>1504<br>1959   | 0.2<br>1.2<br>0.3<br>0.5 | 6<br>37<br>9<br>15  | <b>26</b><br>Lun | 651<br>1415<br>1908<br>2331 | 1.3<br>0.2<br>0.4<br>0.1 | 40<br>6<br>12<br>3  | <b>11</b><br>Mié | 8<br>756<br>1559<br>2043    | 0.1<br>1.2<br>0.0<br>0.2 | 3<br>37<br>0<br>6  | <b>26</b><br>Jue | 2<br>755<br>1529<br>2038    | 0.1<br>1.4<br>0.0<br>0.3 | 3<br>43<br>0<br>9  | <b>11</b><br>Mié | 631<br>1421<br>1949<br>2322 | 1.1<br>0.0<br>0.3<br>0.2 | 34<br>0<br>9<br>6  | <b>26</b><br>Jue | 645<br>1408<br>1955         | 1.3<br>-0.1<br>0.5        | 40<br>-3<br>15      |
| <b>12</b><br>Lun | 32<br>814<br>1603<br>2047   | 0.2<br>1.3<br>0.2<br>0.4 | 6<br>40<br>6<br>12  | <b>27</b><br>Mar | 730<br>1510<br>1958         | 1.4<br>0.1<br>0.3        | 43<br>3<br>9        | <b>12</b><br>Jue | 31<br>829<br>1646<br>2114   | 0.1<br>1.2<br>0.0<br>0.2 | 3<br>37<br>0<br>6  | <b>27</b><br>Vie | 52<br>844<br>1618<br>2133   | 0.1<br>1.4<br>0.0<br>0.3 | 3<br>43<br>0<br>9  | <b>12</b><br>Jue | 704<br>1500<br>2011<br>2353 | 1.1<br>0.0<br>0.3<br>0.2 | 34<br>0<br>9<br>6  | <b>27</b><br>Vie | 1<br>733<br>1452<br>2041    | 0.2<br>1.3<br>0.0<br>0.5  | 6<br>40<br>0<br>15  |
| <b>13</b><br>Mar | 54<br>845<br>1658<br>2139   | 0.2<br>1.3<br>0.1<br>0.3 | 6<br>40<br>3<br>9   | <b>28</b><br>Mié | 10<br>815<br>1603<br>2046   | 0.1<br>1.5<br>0.0<br>0.3 | 3<br>46<br>9<br>9   | <b>13</b><br>Vie | 49<br>904<br>1734<br>2156   | 0.1<br>1.2<br>0.1<br>0.2 | 3<br>37<br>3<br>6  | <b>28</b><br>Sáb | 145<br>935<br>1708<br>2248  | 0.1<br>1.3<br>0.0<br>0.4 | 3<br>40<br>0<br>12 | <b>13</b><br>Vie | 738<br>1537<br>2037         | 1.1<br>0.0<br>0.3        | 34<br>0<br>9       | <b>28</b><br>Sáb | 107<br>822<br>1532<br>2139  | 0.3<br>1.2<br>0.0<br>0.6  | 9<br>37<br>0<br>18  |
| <b>14</b><br>Mié | 110<br>917<br>1753<br>2254  | 0.2<br>1.3<br>0.1<br>0.2 | 6<br>40<br>3<br>6   | <b>29</b><br>Jue | 55<br>903<br>1658<br>2141   | 0.0<br>1.5<br>0.0<br>0.2 | 0<br>46<br>3<br>6   | <b>14</b><br>Sáb | 103<br>942<br>1822<br>2313  | 0.1<br>1.2<br>0.1<br>0.2 | 3<br>37<br>3<br>6  | <b>14</b><br>Sáb | 27<br>814<br>1612<br>2113   | 0.2<br>1.1<br>0.1<br>0.4 | 6<br>34<br>3<br>12 | <b>14</b><br>Sáb | 27<br>814<br>1612<br>2113   | 0.2<br>1.1<br>0.1<br>0.4 | 6<br>34<br>3<br>12 | <b>29</b><br>Dom | 220<br>915<br>1610<br>2244  | 0.3<br>1.1<br>0.1<br>0.7  | 9<br>34<br>3<br>21  |
| <b>15</b><br>Jue | 110<br>951<br>1848          | 0.2<br>1.3<br>0.0        | 6<br>40<br>0        | <b>30</b><br>Vie | 141<br>955<br>1755<br>2300  | 0.0<br>1.5<br>0.0<br>0.2 | 0<br>46<br>6<br>6   | <b>15</b><br>Dom | 116<br>1022<br>1906         | 0.2<br>1.2<br>0.1        | 6<br>37<br>3       | <b>15</b><br>Dom | 110<br>851<br>1645<br>2204  | 0.3<br>1.1<br>0.2<br>0.5 | 9<br>34<br>6<br>15 | <b>15</b><br>Dom | 110<br>851<br>1645<br>2204  | 0.3<br>1.1<br>0.2<br>0.5 | 9<br>34<br>6<br>15 | <b>30</b><br>Lun | 345<br>1015<br>1645<br>2343 | 0.4<br>0.9<br>0.2<br>0.8  | 12<br>27<br>6<br>24 |
|                  |                             |                          |                     | <b>31</b><br>Sáb | 227<br>1049<br>1853         | 0.1<br>1.5<br>0.0        | 3<br>46<br>0        |                  |                             |                          |                    |                  |                             |                          |                    |                  |                             |                          |                    | <b>31</b><br>Mar | 528<br>1129<br>1718         | 0.4<br>0.8<br>0.3         | 12<br>24<br>9       |

Fuente: Canal de Panamá (HIAM)

George F. Rodríguez C.



Luna Nueva



Cuarto Creciente



Luna Llena






Cuarto Menguante

## Bahía Limón, Océano Atlántico 2026

### Horas y Niveles de Mareas Altas y Bajas

Estación ID: LMB / (9.354983 N/-79.914814 O) / Tipo de estación: Armónica (primaria) / Zona horaria: UTC -5h / Datum: MLW

| Abril   |       |      |      | Mayo |  |      |      | Junio |       |   |      |      |       |    |                 |      |      |      |    |                  |      |      |    |    |
|---|-------|------|------|------|--|------|------|-------|-------|---|------|------|-------|----|-----------------|------|------|------|----|------------------|------|------|----|----|
| Hora  | Nivel |      |      | Hora | Nivel  |      |      | Hora  | Nivel |   |      | Hora | Nivel |    |                 |      |      |      |    |                  |      |      |    |    |
|   | h     | m    | pies | cm   |  | h    | m    | pies  | cm    |   | h    | m    | pies  | cm |                 | h    | m    | pies | cm |                  |      |      |    |    |
| <b>1</b><br>Mié<br> | 32    | 0.9  | 27   | 27   | <b>1</b><br>Vie<br> | 19   | 1.1  | 34    | 34    | <b>16</b><br>Sáb<br> | 755  | 0.0  | 0     | 0  | <b>1</b><br>Lun | 42   | 1.2  | 37   | 37 | <b>16</b><br>Mar | 47   | 1.5  | 46 | 46 |
|   | 713   | 0.3  | 9    | 9    |  | 849  | 0.0  | 0     | 0     |   | 1001 | -0.2 | -6    | -6 |                 | 914  | -0.2 | -6   | -6 |                  |      |      |    |    |
|   | 1305  | 0.6  | 18   | 18   |  | 1525 | 0.3  | 9     | 9     |   | 1726 | 0.4  | 12    | 12 |                 | 1707 | 0.4  | 12   | 12 |                  |      |      |    |    |
|   | 1748  | 0.4  | 12   | 12   |  | 2348 | 1.2  | 37    | 37    |   | 1907 | 0.4  | 12    | 12 |                 | 1847 | 0.4  | 12   | 12 |                  |      |      |    |    |
| <b>2</b><br>Jue   | 115   | 0.9  | 27   | 27   | <b>2</b><br>Sáb  | 51   | 1.1  | 34    | 34    | <b>17</b><br>Dom  | 6    | 1.5  | 46    | 46 | <b>2</b><br>Mar | 118  | 1.1  | 34   | 34 | <b>17</b><br>Mié | 146  | 1.5  | 46 | 46 |
|   | 840   | 0.2  | 6    | 6    |  | 937  | -0.1 | -3    | -3    |   | 847  | -0.1 | -3    | -3 |                 | 1036 | -0.2 | -6   | -6 |                  | 1000 | -0.2 | -6 | -6 |
|   | 1515  | 0.5  | 15   | 15   |  | 1321 | 0.3  | 9     | 9     |   | 1726 | 0.4  | 12    | 12 |                 | 1913 | 0.7  | 21   | 21 |                  | 1707 | 0.4  | 12 | 12 |
|   | 1820  | 0.5  | 15   | 15   |  | 1437 | 0.3  | 9     | 9     |   | 1907 | 0.4  | 12    | 12 |                 | 2053 | 0.6  | 18   | 18 |                  | 1847 | 0.4  | 12 | 12 |
| <b>3</b><br>Vie   | 154   | 1.0  | 30   | 30   | <b>3</b><br>Dom  | 123  | 1.1  | 34    | 34    | <b>18</b><br>Lun  | 105  | 1.5  | 46    | 46 | <b>3</b><br>Mié | 155  | 1.1  | 34   | 34 | <b>18</b><br>Jue | 245  | 1.4  | 43 | 43 |
|   | 942   | 0.1  | 3    | 3    |  | 1017 | -0.1 | -3    | -3    |   | 936  | -0.2 | -6    | -6 |                 | 1106 | -0.2 | -6   | -6 |                  | 1040 | -0.2 | -6 | -6 |
|   | 1645  | 0.5  | 15   | 15   |  | 158  | 1.1  | 34    | 34    |   | 1726 | 0.4  | 12    | 12 |                 | 1913 | 0.6  | 18   | 18 |                  | 1740 | 0.6  | 18 | 18 |
|   | 1855  | 0.5  | 15   | 15   |  | 1054 | -0.2 | -6    | -6    |   | 1907 | 0.4  | 12    | 12 |                 | 2053 | 0.6  | 18   | 18 |                  | 2040 | 0.5  | 15 | 15 |
| <b>4</b><br>Sáb   | 231   | 1.0  | 30   | 30   | <b>4</b><br>Lun  | 158  | 1.1  | 34    | 34    | <b>19</b><br>Mar  | 207  | 1.5  | 46    | 46 | <b>4</b><br>Jue | 234  | 1.1  | 34   | 34 | <b>19</b><br>Vie | 345  | 1.2  | 37 | 37 |
|   | 1030  | 0.0  | 0    | 0    |  | 1127 | -0.2 | -6    | -6    |   | 1023 | -0.2 | -6    | -6 |                 | 1131 | -0.1 | -3   | -3 |                  | 1115 | -0.1 | -3 | -3 |
|   | 1736  | 0.5  | 15   | 15   |  | 1238 | 1.1  | 34    | 34    |   | 1726 | 0.4  | 12    | 12 |                 | 1913 | 0.6  | 18   | 18 |                  | 1816 | 0.8  | 24 | 24 |
|   | 1933  | 0.5  | 15   | 15   |  | 2016 | 0.5  | 15    | 15    |   | 1907 | 0.4  | 12    | 12 |                 | 2053 | 0.6  | 18   | 18 |                  | 2238 | 0.6  | 18 | 18 |
| <b>5</b><br>Dom   | 308   | 1.0  | 30   | 30   | <b>5</b><br>Mar  | 238  | 1.1  | 34    | 34    | <b>20</b><br>Mié  | 310  | 1.4  | 43    | 43 | <b>5</b><br>Vie | 312  | 1.1  | 34   | 34 | <b>20</b><br>Sáb | 449  | 1.1  | 34 | 34 |
|   | 1111  | -0.1 | -3   | -3   |  | 1127 | -0.2 | -6    | -6    |   | 1108 | -0.2 | -6    | -6 |                 | 1153 | 0.0  | 0    | 0  |                  | 1147 | 0.0  | 0  | 0  |
|   | 1810  | 0.5  | 15   | 15   |  | 1914 | 0.5  | 15    | 15    |   | 1753 | 0.5  | 15    | 15 |                 | 1918 | 0.6  | 18   | 18 |                  | 1852 | 1.0  | 30 | 30 |
|   | 2011  | 0.4  | 12   | 12   |  | 2016 | 0.5  | 15    | 15    |   | 2030 | 0.4  | 12    | 12 |                 | 2053 | 0.6  | 18   | 18 |                  | 1852 | 1.0  | 30 | 30 |
| <b>6</b><br>Lun   | 346   | 1.0  | 30   | 30   | <b>6</b><br>Mié  | 320  | 1.1  | 34    | 34    | <b>21</b><br>Jue  | 410  | 1.3  | 40    | 40 | <b>6</b><br>Sáb | 348  | 1.0  | 30   | 30 | <b>21</b><br>Dom | 21   | 0.5  | 15 | 15 |
|   | 1149  | -0.1 | -3   | -3   |  | 1159 | -0.2 | -6    | -6    |   | 1148 | -0.2 | -6    | -6 |                 | 1210 | 0.0  | 0    | 0  |                  | 556  | 0.9  | 27 | 27 |
|   | 1836  | 0.4  | 12   | 12   |  | 1914 | 0.5  | 15    | 15    |   | 1830 | 0.6  | 18    | 18 |                 | 1913 | 0.7  | 21   | 21 |                  | 1215 | 0.1  | 3  | 3  |
|   | 2048  | 0.4  | 12   | 12   |  | 2016 | 0.5  | 15    | 15    |   | 2159 | 0.5  | 15    | 15 |                 | 2232 | 0.6  | 18   | 18 |                  | 1928 | 1.1  | 34 | 34 |
| <b>7</b><br>Mar   | 423   | 1.0  | 30   | 30   | <b>7</b><br>Jue  | 401  | 1.1  | 34    | 34    | <b>22</b><br>Vie  | 506  | 1.2  | 37    | 37 | <b>7</b><br>Dom | 424  | 0.9  | 27   | 27 | <b>22</b><br>Lun | 145  | 0.4  | 12 | 12 |
|   | 1226  | -0.1 | -3   | -3   |  | 1227 | -0.1 | -3    | -3    |   | 1225 | -0.1 | -3    | -3 |                 | 1222 | 0.1  | 3    | 3  |                  | 702  | 0.7  | 21 | 21 |
|   | 1859  | 0.4  | 12   | 12   |  | 1920 | 0.5  | 15    | 15    |   | 1909 | 0.8  | 24    | 24 |                 | 1923 | 0.9  | 27   | 27 |                  | 1241 | 0.1  | 3  | 3  |
|   | 2124  | 0.4  | 12   | 12   |  | 2110 | 0.5  | 15    | 15    |   | 2343 | 0.5  | 15    | 15 |                 | 2343 | 0.5  | 15   | 15 |                  | 2003 | 1.2  | 37 | 37 |

|                         |                             |                           |                     |  |                         |                             |                           |                      |                         |                             |                          |                     |  |                         |                             |                          |                     |                         |                             |                          |                     |  |                         |                             |                          |                    |  |  |
|-------------------------|-----------------------------|---------------------------|---------------------|--|-------------------------|-----------------------------|---------------------------|----------------------|-------------------------|-----------------------------|--------------------------|---------------------|--|-------------------------|-----------------------------|--------------------------|---------------------|-------------------------|-----------------------------|--------------------------|---------------------|--|-------------------------|-----------------------------|--------------------------|--------------------|--|--|
| <b>8</b><br><b>Mié</b>  | 500<br>1301<br>1918<br>2159 | 1.1<br>-0.1<br>0.4<br>0.3 | 34<br>-3<br>12<br>9 |  | <b>23</b><br><b>Jue</b> | 530<br>1256<br>1914<br>2306 | 1.3<br>-0.1<br>0.6<br>0.4 | 40<br>-3<br>18<br>12 | <b>8</b><br><b>Vie</b>  | 440<br>1253<br>1929<br>2209 | 1.1<br>0.0<br>0.6<br>0.5 | 34<br>0<br>18<br>15 |  | <b>23</b><br><b>Sáb</b> | 601<br>1257<br>1951         | 1.1<br>0.0<br>0.9        | 34<br>0<br>27       | <b>8</b><br><b>Lun</b>  | 19<br>501<br>1229<br>1941   | 0.6<br>0.8<br>1.0<br>0.1 | 18<br>24<br>3<br>30 |  | <b>23</b><br><b>Mar</b> | 300<br>806<br>1306<br>2038  | 0.3<br>0.6<br>0.2<br>1.3 | 9<br>18<br>6<br>40 |  |  |
| <b>9</b><br><b>Jue</b>  | 535<br>1335<br>1935<br>2237 | 1.1<br>-0.1<br>0.4<br>0.3 | 34<br>-3<br>12<br>9 |  | <b>24</b><br><b>Vie</b> | 621<br>1335<br>1957         | 1.2<br>-0.1<br>0.7        | 37<br>-3<br>21       | <b>9</b><br><b>Sáb</b>  | 516<br>1315<br>1945<br>2326 | 1.0<br>0.0<br>0.7<br>0.5 | 30<br>0<br>21<br>15 |  | <b>24</b><br><b>Dom</b> | 118<br>658<br>1326<br>2032  | 0.5<br>0.9<br>0.1<br>1.1 | 15<br>27<br>3<br>34 | <b>9</b><br><b>Mar</b>  | 151<br>545<br>1233<br>2005  | 0.6<br>0.7<br>0.2<br>1.2 | 18<br>21<br>6<br>37 |  | <b>24</b><br><b>Mié</b> | 409<br>910<br>1329<br>2113  | 0.2<br>0.5<br>0.2<br>1.3 | 6<br>15<br>6<br>40 |  |  |
| <b>10</b><br><b>Vie</b> | 610<br>1405<br>1956<br>2323 | 1.1<br>0.0<br>0.5<br>0.4  | 34<br>0<br>15<br>12 |  | <b>25</b><br><b>Sáb</b> | 32<br>711<br>1410<br>2045   | 0.4<br>1.1<br>0.0<br>0.8  | 12<br>34<br>0<br>24  | <b>10</b><br><b>Dom</b> | 550<br>1331<br>2006         | 1.0<br>0.1<br>0.8        | 30<br>3<br>24       |  | <b>25</b><br><b>Lun</b> | 244<br>801<br>1352<br>2112  | 0.4<br>0.8<br>0.1<br>1.2 | 12<br>24<br>3<br>37 | <b>10</b><br><b>Mié</b> | 313<br>644<br>1241<br>2037  | 0.4<br>0.5<br>0.2<br>1.3 | 12<br>15<br>6<br>40 |  | <b>25</b><br><b>Jue</b> | 511<br>1022<br>1348<br>2148 | 0.1<br>0.4<br>0.2<br>1.3 | 3<br>12<br>6<br>40 |  |  |
| <b>11</b><br><b>Sáb</b> | 645<br>1433<br>2022         | 1.1<br>0.1<br>0.5         | 34<br>3<br>15       |  | <b>26</b><br><b>Dom</b> | 158<br>804<br>1442<br>2135  | 0.4<br>1.0<br>0.1<br>0.9  | 12<br>30<br>3<br>27  | <b>11</b><br><b>Lun</b> | 100<br>625<br>1342<br>2034  | 0.6<br>0.9<br>0.2<br>0.9 | 18<br>27<br>6<br>27 |  | <b>26</b><br><b>Mar</b> | 408<br>913<br>1415<br>2150  | 0.3<br>0.6<br>0.2<br>1.2 | 9<br>18<br>6<br>37  | <b>11</b><br><b>Jue</b> | 428<br>803<br>1256<br>2115  | 0.3<br>0.4<br>0.1<br>1.5 | 9<br>12<br>3<br>46  |  | <b>26</b><br><b>Vie</b> | 610<br>1158<br>1357<br>2224 | 0.0<br>0.3<br>0.3<br>1.3 | 0<br>9<br>9<br>40  |  |  |
| <b>12</b><br><b>Dom</b> | 22<br>719<br>1455<br>2055   | 0.4<br>1.0<br>0.2<br>0.6  | 12<br>30<br>6<br>18 |  | <b>27</b><br><b>Lun</b> | 325<br>906<br>1509<br>2223  | 0.4<br>0.8<br>0.2<br>1.0  | 12<br>24<br>6<br>30  | <b>12</b><br><b>Mar</b> | 233<br>705<br>1347<br>2106  | 0.5<br>0.8<br>0.2<br>1.1 | 15<br>24<br>6<br>34 |  | <b>27</b><br><b>Mié</b> | 529<br>1041<br>1432<br>2228 | 0.2<br>0.5<br>0.3<br>1.2 | 6<br>15<br>9<br>37  | <b>12</b><br><b>Vie</b> | 535<br>936<br>1318<br>2200  | 0.1<br>0.2<br>0.1<br>1.5 | 3<br>6<br>3<br>46   |  | <b>27</b><br><b>Sáb</b> | 707<br>2259                 | 0.0<br>1.2               | 0<br>37            |  |  |
| <b>13</b><br><b>Lun</b> | 138<br>756<br>1512<br>2135  | 0.5<br>1.0<br>0.2<br>0.8  | 15<br>30<br>6<br>24 |  | <b>28</b><br><b>Mar</b> | 459<br>1026<br>1532<br>2307 | 0.4<br>0.6<br>0.3<br>1.1  | 12<br>18<br>9<br>34  | <b>13</b><br><b>Mié</b> | 406<br>756<br>1352<br>2144  | 0.5<br>0.6<br>0.2<br>1.3 | 15<br>18<br>6<br>40 |  | <b>28</b><br><b>Jue</b> | 639<br>1232<br>1441<br>2303 | 0.1<br>0.4<br>0.3<br>1.2 | 3<br>12<br>9<br>37  | <b>13</b><br><b>Sáb</b> | 634<br>1131<br>1342<br>2252 | 0.0<br>0.1<br>0.1<br>1.6 | 0<br>3<br>3<br>49   |  | <b>28</b><br><b>Dom</b> | 804<br>2334                 | -0.1<br>1.2              | -3<br>37           |  |  |
| <b>14</b><br><b>Mar</b> | 307<br>837<br>1523<br>2219  | 0.5<br>0.8<br>0.3<br>0.9  | 15<br>24<br>9<br>27 |  | <b>29</b><br><b>Mié</b> | 633<br>1210<br>1550<br>2345 | 0.3<br>0.5<br>0.4<br>1.1  | 9<br>15<br>12<br>34  | <b>14</b><br><b>Jue</b> | 538<br>916<br>1357<br>2226  | 0.3<br>0.4<br>0.2<br>1.4 | 9<br>12<br>6<br>43  |  | <b>29</b><br><b>Vie</b> | 739<br>2336                 | 0.0<br>1.2               | 0<br>37             | <b>14</b><br><b>Dom</b> | 729<br>2348                 | -0.1<br>1.6              | -3<br>49            |  | <b>29</b><br><b>Lun</b> | 856                         | -0.1                     | -3                 |  |  |
| <b>15</b><br><b>Mié</b> | 452<br>931<br>1527<br>2303  | 0.5<br>0.7<br>0.3<br>1.1  | 15<br>21<br>9<br>34 |  | <b>30</b><br><b>Jue</b> | 751<br>1427<br>1552         | 0.1<br>0.5<br>0.4         | 3<br>15<br>12        | <b>15</b><br><b>Vie</b> | 655<br>1127<br>1355<br>2313 | 0.1<br>0.3<br>0.2<br>1.5 | 3<br>9<br>6<br>46   |  | <b>30</b><br><b>Sáb</b> | 832                         | -0.1                     | -3                  | <b>15</b><br><b>Lun</b> | 823                         | -0.2                     | -6                  |  | <b>30</b><br><b>Mar</b> | 9<br>939                    | 1.2<br>-0.1              | 37<br>-3           |  |  |
|                         |                             |                           |                     |  |                         |                             |                           |                      |                         |                             |                          |                     |  | <b>31</b><br><b>Dom</b> | 9<br>920                    | 1.2<br>-0.1              | 37<br>-3            |                         |                             |                          |                     |  |                         |                             |                          |                    |  |  |

Fuente: Canal de Panamá (HIAM)

Jorge F. Rodríguez C.



Luna Nueva



Cuarto Creciente



Luna Llena



Cuarto Menguante

## Bahía Limón, Océano Atlántico 2026

### Horas y Niveles de Mareas Altas y Bajas

Estación ID: LMB / (9.354983 N/-79.914814 O) / Tipo de estación: Armónica (primaria) / Zona horaria: UTC -5h / Datum: MLW

| Julio           |      |       |      | Agosto |                  |       |     | Septiembre |      |                 |      |      |      |       |                  |      |     |      |    |                 |      |     |    |  |                  |      |     |    |  |                 |      |     |    |  |                  |     |     |    |  |
|-----------------|------|-------|------|--------|------------------|-------|-----|------------|------|-----------------|------|------|------|-------|------------------|------|-----|------|----|-----------------|------|-----|----|--|------------------|------|-----|----|--|-----------------|------|-----|----|--|------------------|-----|-----|----|--|
| Hora            |      | Nivel |      | Hora   |                  | Nivel |     | Hora       |      | Nivel           |      | Hora |      | Nivel |                  |      |     |      |    |                 |      |     |    |  |                  |      |     |    |  |                 |      |     |    |  |                  |     |     |    |  |
|                 | h    | m     | pies | cm     |                  | h     | m   | pies       | cm   |                 | h    | m    | pies | cm    |                  | h    | m   | pies | cm |                 |      |     |    |  |                  |      |     |    |  |                 |      |     |    |  |                  |     |     |    |  |
| <b>1</b><br>Mié | 44   | 1.2   | 37   |        | <b>16</b><br>Jue | 124   | 1.4 | 43         |      | <b>1</b><br>Sáb | 119  | 1.0  | 30   |       | <b>16</b><br>Dom | 406  | 0.8 | 24   |    | <b>1</b><br>Mar | 528  | 0.6 | 18 |  | <b>16</b><br>Mié | 13   | 0.2 | 6  |  |                 |      |     |    |  |                  |     |     |    |  |
|                 | 1011 | -0.1  | -3   |        |                  | 925   | 0.0 | 0          |      |                 | 956  | 0.2  | 6    |       |                  | 942  | 0.3 | 9    |    |                 | 856  | 0.5 | 15 |  |                  | 624  | 0.6 | 18 |  |                 |      |     |    |  |                  |     |     |    |  |
|                 |      |       |      |        |                  | 1636  | 0.6 | 18         |      |                 | 1729 | 0.8  | 24   |       |                  | 1705 | 1.1 | 34   |    |                 | 1642 | 1.3 | 40 |  |                  | 942  | 0.5 | 15 |  | 1726            | 1.3  | 40  |    |  |                  |     |     |    |  |
| <b>2</b><br>Jue | 120  | 1.1   | 34   |        | <b>17</b><br>Vie | 223   | 1.2 | 37         |      | <b>2</b><br>Dom | 159  | 0.9  | 27   |       | <b>17</b><br>Lun | 527  | 0.7 | 21   |    | <b>2</b><br>Mié | 9    | 0.3 | 9  |  | <b>17</b><br>Jue | 56   | 0.1 | 3  |  | <b>2</b><br>Jue | 611  | 0.5 | 15 |  | <b>17</b><br>Jue | 657 | 0.6 | 18 |  |
|                 | 1035 | 0.0   | 0    |        |                  | 1002  | 0.0 | 0          |      |                 | 1006 | 0.3  | 9    |       |                  | 1011 | 0.3 | 9    |    |                 | 922  | 0.4 | 12 |  |                  | 1014 | 0.4 | 12 |  |                 | 1014 | 0.4 | 12 |  |                  |     |     |    |  |
|                 |      |       |      |        |                  | 1713  | 0.8 | 24         |      |                 | 1727 | 0.9  | 27   |       |                  | 1740 | 1.2 | 37   |    |                 | 1721 | 1.4 | 43 |  |                  | 1721 | 1.4 | 43 |  |                 | 1759 | 1.3 | 40 |  |                  |     |     |    |  |
| <b>3</b><br>Vie | 155  | 1.1   | 34   |        | <b>18</b><br>Sáb | 333   | 1.0 | 30         |      | <b>3</b><br>Lun | 251  | 0.7  | 21   |       | <b>18</b><br>Mar | 33   | 0.3 | 9    |    | <b>3</b><br>Jue | 56   | 0.2 | 6  |  | <b>18</b><br>Vie | 137  | 0.1 | 3  |  | <b>3</b><br>Jue | 641  | 0.5 | 15 |  | <b>18</b><br>Vie | 726 | 0.5 | 15 |  |
|                 | 1054 | 0.0   | 0    |        |                  | 1033  | 0.1 | 3          |      |                 | 1012 | 0.3  | 9    |       |                  | 621  | 0.6 | 18   |    |                 | 957  | 0.3 | 9  |  |                  | 1046 | 0.4 | 12 |  |                 | 1046 | 0.4 | 12 |  |                  |     |     |    |  |
|                 |      |       |      |        |                  | 1747  | 1.0 | 30         |      |                 | 1741 | 1.1  | 34   |       |                  | 1039 | 0.3 | 9    |    |                 | 1802 | 1.4 | 43 |  |                  | 1802 | 1.4 | 43 |  |                 | 1830 | 1.3 | 40 |  |                  |     |     |    |  |
| <b>4</b><br>Sáb | 230  | 1.0   | 30   |        | <b>19</b><br>Dom | 457   | 0.8 | 24         |      | <b>4</b><br>Mar | 12   | 0.5  | 15   |       | <b>19</b><br>Mié | 126  | 0.2 | 6    |    | <b>4</b><br>Vie | 139  | 0.1 | 3  |  | <b>19</b><br>Sáb | 216  | 0.1 | 3  |  | <b>4</b><br>Vie | 710  | 0.5 | 15 |  | <b>19</b><br>Sáb | 753 | 0.5 | 15 |  |
|                 | 1109 | 0.1   | 3    |        |                  | 1102  | 0.1 | 3          |      |                 | 1019 | 0.3  | 9    |       |                  | 704  | 0.6 | 18   |    |                 | 1039 | 0.3 | 9  |  |                  | 1118 | 0.4 | 12 |  |                 | 1118 | 0.4 | 12 |  |                  |     |     |    |  |
|                 | 1834 | 0.7   | 21   |        |                  | 1821  | 1.1 | 34         |      |                 | 1803 | 1.2  | 37   |       |                  | 1108 | 0.3 | 9    |    |                 | 1845 | 1.5 | 46 |  |                  | 1845 | 1.5 | 46 |  |                 | 1901 | 1.3 | 40 |  |                  |     |     |    |  |
| <b>5</b><br>Dom | 306  | 0.9   | 27   |        | <b>20</b><br>Lun | 38    | 0.4 | 12         |      | <b>5</b><br>Mié | 114  | 0.3  | 9    |       | <b>20</b><br>Jue | 214  | 0.1 | 3    |    | <b>5</b><br>Sáb | 223  | 0.1 | 3  |  | <b>20</b><br>Dom | 252  | 0.1 | 3  |  | <b>5</b><br>Sáb | 741  | 0.5 | 15 |  | <b>20</b><br>Dom | 821 | 0.5 | 15 |  |
|                 | 1118 | 0.1   | 3    |        |                  | 610   | 0.7 | 21         |      |                 | 620  | 0.5  | 15   |       |                  | 741  | 0.5 | 15   |    |                 | 1126 | 0.2 | 6  |  |                  | 1126 | 0.2 | 6  |  |                 | 1151 | 0.4 | 12 |  |                  |     |     |    |  |
|                 | 1834 | 0.9   | 27   |        |                  | 1129  | 0.2 | 6          |      |                 | 1035 | 0.2  | 6    |       |                  | 1137 | 0.3 | 9    |    |                 | 1929 | 1.5 | 46 |  |                  | 1929 | 1.5 | 46 |  |                 | 1933 | 1.3 | 40 |  |                  |     |     |    |  |
| <b>6</b><br>Lun | 347  | 0.8   | 24   |        | <b>21</b><br>Mar | 146   | 0.3 | 9          |      | <b>6</b><br>Jue | 205  | 0.2  | 6    |       | <b>21</b><br>Vie | 300  | 0.1 | 3    |    | <b>6</b><br>Dom | 306  | 0.1 | 3  |  | <b>21</b><br>Lun | 327  | 0.2 | 6  |  | <b>6</b><br>Dom | 818  | 0.4 | 12 |  | <b>21</b><br>Lun | 851 | 0.5 | 15 |  |
|                 | 1123 | 0.2   | 6    |        |                  | 708   | 0.6 | 18         |      |                 | 705  | 0.4  | 12   |       |                  | 816  | 0.4 | 12   |    |                 | 1217 | 0.2 | 6  |  |                  | 1226 | 0.4 | 12 |  |                 | 1226 | 0.4 | 12 |  |                  |     |     |    |  |
|                 | 1846 | 1.0   | 30   |        |                  | 1156  | 0.2 | 6          |      |                 | 1102 | 0.2  | 6    |       |                  | 1205 | 0.3 | 9    |    |                 | 2015 | 1.5 | 46 |  |                  | 2015 | 1.5 | 46 |  |                 | 2004 | 1.3 | 40 |  |                  |     |     |    |  |
| <b>7</b><br>Mar | 104  | 0.5   | 15   |        | <b>22</b><br>Mié | 245   | 0.2 | 6          |      | <b>7</b><br>Vie | 252  | 0.1  | 3    |       | <b>22</b><br>Sáb | 345  | 0.1 | 3    |    | <b>7</b><br>Lun | 351  | 0.1 | 3  |  | <b>22</b><br>Mar | 400  | 0.3 | 9  |  | <b>7</b><br>Lun | 908  | 0.5 | 15 |  | <b>22</b><br>Mar | 929 | 0.6 | 18 |  |
|                 | 446  | 0.6   | 18   |        |                  | 758   | 0.5 | 15         |      |                 | 744  | 0.3  | 9    |       |                  | 850  | 0.4 | 12   |    |                 | 1313 | 0.3 | 9  |  |                  | 1309 | 0.5 | 15 |  |                 | 1309 | 0.5 | 15 |  |                  |     |     |    |  |
|                 | 1127 | 0.2   | 6    |        |                  | 1222  | 0.2 | 6          |      |                 | 1139 | 0.1  | 3    |       |                  | 1231 | 0.2 | 6    |    |                 | 2104 | 1.5 | 46 |  |                  | 2037 | 1.2 | 37 |  |                 | 2037 | 1.2 | 37 |  |                  |     |     |    |  |
|                 | 1907 | 1.2   | 37   |        | 2000             | 1.3   | 40  |            | 1950 | 1.5             | 46   |      | 2023 | 1.3   | 40               |      |     |      |    |                 |      |     |    |  |                  |      |     |    |  |                 |      |     |    |  |                  |     |     |    |  |

|                         |                             |                           |                      |                         |                             |                          |                    |                         |                             |                          |                     |                         |                             |                          |                      |                         |                             |                          |                      |                         |                             |                          |                      |
|-------------------------|-----------------------------|---------------------------|----------------------|-------------------------|-----------------------------|--------------------------|--------------------|-------------------------|-----------------------------|--------------------------|---------------------|-------------------------|-----------------------------|--------------------------|----------------------|-------------------------|-----------------------------|--------------------------|----------------------|-------------------------|-----------------------------|--------------------------|----------------------|
| <b>8</b><br><b>Mié</b>  | 215<br>614<br>1138<br>1935  | 0.4<br>0.5<br>0.2<br>1.3  | 12<br>15<br>6<br>40  | <b>23</b><br><b>Jue</b> | 340<br>845<br>1248<br>2033  | 0.1<br>0.4<br>0.2<br>1.3 | 3<br>12<br>6<br>40 | <b>8</b><br><b>Sáb</b>  | 340<br>823<br>1222<br>2035  | 0.1<br>0.3<br>0.1<br>1.6 | 3<br>9<br>3<br>49   | <b>23</b><br><b>Dom</b> | 430<br>929<br>1251<br>2056  | 0.1<br>0.3<br>0.3<br>1.3 | 3<br>9<br>9<br>40    | <b>8</b><br><b>Mar</b>  | 435<br>1018<br>1415<br>2156 | 0.2<br>0.5<br>0.4<br>1.4 | 6<br>15<br>12<br>43  | <b>23</b><br><b>Mié</b> | 430<br>1018<br>1407<br>2113 | 0.4<br>0.7<br>0.6<br>1.1 | 12<br>21<br>18<br>34 |
| <b>9</b><br><b>Jue</b>  | 315<br>727<br>1200<br>2011  | 0.2<br>0.4<br>0.1<br>1.5  | 6<br>12<br>3<br>46   | <b>24</b><br><b>Vie</b> | 432<br>935<br>1310<br>2108  | 0.0<br>0.3<br>0.2<br>1.3 | 0<br>9<br>6<br>40  | <b>9</b><br><b>Dom</b>  | 429<br>910<br>1308<br>2124  | 0.0<br>0.3<br>0.1<br>1.6 | 0<br>9<br>3<br>49   | <b>24</b><br><b>Lun</b> | 516<br>1029<br>1258<br>2130 | 0.1<br>0.3<br>0.3<br>1.3 | 3<br>9<br>9<br>40    | <b>9</b><br><b>Mié</b>  | 519<br>1138<br>1534<br>2255 | 0.2<br>0.7<br>0.5<br>1.2 | 6<br>21<br>15<br>37  | <b>24</b><br><b>Jue</b> | 456<br>1108<br>1535<br>2152 | 0.4<br>0.8<br>0.7<br>1.0 | 12<br>24<br>21<br>30 |
| <b>10</b><br><b>Vie</b> | 411<br>827<br>1232<br>2053  | 0.1<br>0.3<br>0.1<br>1.5  | 3<br>9<br>3<br>46    | <b>25</b><br><b>Sáb</b> | 525<br>1042<br>1324<br>2142 | 0.0<br>0.2<br>0.2<br>1.3 | 0<br>6<br>6<br>40  | <b>10</b><br><b>Lun</b> | 521<br>1018<br>1357<br>2216 | 0.0<br>0.3<br>0.1<br>1.5 | 0<br>9<br>3<br>46   | <b>25</b><br><b>Mar</b> | 602<br>2206                 | 0.2<br>1.2               | 6<br>37              | <b>10</b><br><b>Jue</b> | 603<br>1248<br>1734         | 0.3<br>0.8<br>0.6        | 9<br>24<br>18        | <b>25</b><br><b>Vie</b> | 517<br>1152<br>1742<br>2242 | 0.5<br>0.9<br>0.7<br>0.9 | 15<br>27<br>21<br>27 |
| <b>11</b><br><b>Sáb</b> | 504<br>928<br>1311<br>2142  | 0.0<br>0.2<br>0.1<br>1.6  | 0<br>6<br>3<br>49    | <b>26</b><br><b>Dom</b> | 621<br>2218                 | 0.0<br>1.3               | 0<br>40            | <b>11</b><br><b>Mar</b> | 615<br>1155<br>1448<br>2311 | 0.1<br>0.3<br>0.3<br>1.5 | 3<br>9<br>9<br>46   | <b>26</b><br><b>Mié</b> | 647<br>2244                 | 0.3<br>1.2               | 9<br>37              | <b>11</b><br><b>Vie</b> | 1<br>646<br>1349<br>1938    | 1.1<br>0.4<br>0.9<br>0.6 | 34<br>12<br>27<br>18 | <b>26</b><br><b>Sáb</b> | 531<br>1233<br>1939<br>2354 | 0.6<br>1.1<br>0.6<br>0.7 | 18<br>34<br>18<br>21 |
| <b>12</b><br><b>Dom</b> | 600<br>1047<br>1354<br>2235 | 0.0<br>0.1<br>0.1<br>1.6  | 0<br>3<br>3<br>49    | <b>27</b><br><b>Lun</b> | 719<br>2254                 | 0.0<br>1.2               | 0<br>37            | <b>12</b><br><b>Mié</b> | 707<br>1329<br>1556         | 0.1<br>0.5<br>0.4        | 3<br>15<br>12       | <b>27</b><br><b>Jue</b> | 724<br>2324                 | 0.3<br>1.1               | 9<br>34              | <b>12</b><br><b>Sáb</b> | 126<br>726<br>1443<br>2117  | 0.9<br>0.5<br>1.1<br>0.5 | 27<br>15<br>34<br>15 | <b>27</b><br><b>Dom</b> | 537<br>1314<br>2109         | 0.6<br>1.2<br>0.5        | 18<br>37<br>15       |
| <b>13</b><br><b>Lun</b> | 657<br>1232<br>1438<br>2331 | -0.1<br>0.2<br>0.1<br>1.6 | -3<br>6<br>3<br>49   | <b>28</b><br><b>Mar</b> | 814<br>2330                 | 0.0<br>1.2               | 0<br>37            | <b>13</b><br><b>Jue</b> | 7<br>755<br>1449<br>1808    | 1.3<br>0.1<br>0.6<br>0.6 | 40<br>3<br>18<br>18 | <b>28</b><br><b>Vie</b> | 752<br>1533<br>1816         | 0.4<br>0.7<br>0.7        | 12<br>21<br>21       | <b>13</b><br><b>Dom</b> | 326<br>803<br>1531<br>2230  | 0.8<br>0.5<br>1.2<br>0.3 | 24<br>15<br>37<br>9  | <b>28</b><br><b>Lun</b> | 1400<br>2212                | 1.3<br>0.3               | 40<br>9              |
| <b>14</b><br><b>Mar</b> | 753<br>1423<br>1521         | -0.1<br>0.2<br>0.2        | -3<br>6<br>6         | <b>29</b><br><b>Mié</b> | 855                         | 0.1                      | 3                  | <b>14</b><br><b>Vie</b> | 107<br>836<br>1545<br>2026  | 1.1<br>0.2<br>0.8<br>0.6 | 34<br>6<br>24<br>18 | <b>29</b><br><b>Sáb</b> | 7<br>812<br>1518<br>2027    | 0.9<br>0.4<br>0.9<br>0.7 | 27<br>12<br>27<br>21 | <b>14</b><br><b>Lun</b> | 452<br>838<br>1613<br>2326  | 0.7<br>0.5<br>1.2<br>0.2 | 21<br>15<br>37<br>6  | <b>29</b><br><b>Mar</b> | 601<br>631<br>1452<br>2301  | 0.6<br>0.6<br>1.4<br>0.2 | 18<br>18<br>43<br>6  |
| <b>15</b><br><b>Mié</b> | 27<br>843<br>1556<br>1643   | 1.5<br>-0.1<br>0.4<br>0.4 | 46<br>-3<br>12<br>12 | <b>30</b><br><b>Jue</b> | 6<br>923                    | 1.2<br>0.1               | 37<br>3            | <b>15</b><br><b>Sáb</b> | 222<br>911<br>1628<br>2212  | 1.0<br>0.3<br>0.0<br>0.5 | 30<br>9<br>30<br>15 | <b>30</b><br><b>Dom</b> | 59<br>826<br>1538<br>2204   | 0.8<br>0.5<br>1.0<br>0.5 | 24<br>15<br>30<br>15 | <b>15</b><br><b>Mar</b> | 545<br>910<br>1651          | 0.7<br>0.5<br>1.2        | 21<br>15<br>37       | <b>30</b><br><b>Mié</b> | 601<br>741<br>1548<br>2346  | 0.6<br>0.6<br>1.4<br>0.1 | 18<br>18<br>43<br>3  |
|                         |                             |                           |                      | <b>31</b><br><b>Vie</b> | 42<br>942                   | 1.1<br>0.2               | 34<br>6            |                         |                             |                          |                     | <b>31</b><br><b>Lun</b> | 240<br>839<br>1608<br>2315  | 0.6<br>0.5<br>1.1<br>0.4 | 18<br>15<br>34<br>12 |                         |                             |                          |                      |                         |                             |                          |                      |

Fuente: Canal de Panamá (HIAM)

Jorge F. Rodríguez C.



Luna Nueva



Cuarto Creciente



Luna Llena



Cuarto Menguante

## Bahía Limón, Océano Atlántico 2026

### Horas y Niveles de Mareas Altas y Bajas

Estación ID: LMB / (9.354983 N/-79.914814 O) / Tipo de estación: Armónica (primaria) / Zona horaria: UTC -5h / Datum: MLW

| Octubre         |       |     |      | Noviembre |                  |     |     | Diciembre |       |                 |      |      |       |     |                  |      |                  |                 |     |     |                  |      |     |    |
|-----------------|-------|-----|------|-----------|------------------|-----|-----|-----------|-------|-----------------|------|------|-------|-----|------------------|------|------------------|-----------------|-----|-----|------------------|------|-----|----|
| Hora            | Nivel |     |      | Hora      | Nivel            |     |     | Hora      | Nivel |                 |      | Hora | Nivel |     |                  |      |                  |                 |     |     |                  |      |     |    |
|                 | h     | m   | pies | cm        |                  | h   | m   | pies      | cm    |                 | h    | m    | pies  | cm  |                  |      |                  |                 |     |     |                  |      |     |    |
| <b>1</b><br>Jue | 615   | 0.6 | 18   |           | <b>16</b><br>Vie | 25  | 0.1 | 3         |       | <b>1</b><br>Dom | 37   | 0.1  | 3     |     |                  |      |                  |                 |     |     |                  |      |     |    |
|                 | 837   | 0.5 | 15   |           |                  | 655 | 0.6 | 18        |       |                 | 658  | 0.7  | 21    |     | <b>16</b><br>Lun | 735  | 0.8              | 24              |     |     |                  |      |     |    |
|                 | 1642  | 1.5 | 46   |           |                  | 912 | 0.6 | 18        |       |                 | 1026 | 0.6  | 18    |     |                  | 1007 | 0.7              | 21              |     |     |                  |      |     |    |
|                 |       |     |      | 1701      | 1.3              | 40  |     |           | 1754  | 1.5             | 46   |      | 1700  | 1.2 | 37               |      | <b>17</b><br>Mar | 1831            | 1.1 | 34  |                  |      |     |    |
| <b>2</b><br>Vie | 28    | 0.1 | 3    |           | 59               | 0.1 | 3   |           | 113   | 0.1             | 3    |      | 102   | 0.2 | 6                |      |                  | <b>2</b><br>Mié | 100 | 0.2 | 6                |      |     |    |
|                 | 636   | 0.6 | 18   |           | 720              | 0.6 | 18  |           | 738   | 0.9             | 27   |      | 747   | 0.9 | 27               |      | 806              |                 | 1.2 | 37  |                  |      |     |    |
|                 | 930   | 0.4 | 12   |           | 951              | 0.6 | 18  |           | 1200  | 0.6             | 18   |      | 1136  | 0.8 | 24               |      | 1421             |                 | 0.6 | 18  |                  |      |     |    |
|                 | 1733  | 1.5 | 46   |           | 1734             | 1.3 | 40  |           | 1845  | 1.3             | 40   |      | 1733  | 1.1 | 34               |      | 1937             | 0.9             | 27  |     | <b>17</b><br>Jue | 1716 | 0.8 | 24 |
| <b>3</b><br>Sáb | 110   | 0.1 | 3    |           | 130              | 0.1 | 3   |           | 146   | 0.2             | 6    |      | 118   | 0.3 | 9                |      | <b>3</b><br>Jue  | 127             | 0.3 | 9   |                  |      |     |    |
|                 | 704   | 0.6 | 18   |           | 742              | 0.6 | 18  |           | 823   | 1.0             | 30   |      | 803   | 1.0 | 30               |      |                  | 846             | 1.4 | 43  |                  |      |     |    |
|                 | 1024  | 0.4 | 12   |           | 1033             | 0.6 | 18  |           | 1336  | 0.7             | 21   |      | 1311  | 0.8 | 24               |      |                  | 1544            | 0.5 | 15  |                  |      |     |    |
|                 | 1820  | 1.5 | 46   |           | 1805             | 1.3 | 40  |           | 1938  | 1.2             | 37   |      | 1806  | 1.0 | 30               |      | 2047             | 0.8             | 24  |     | 1812             | 0.6  | 18  |    |
| <b>4</b><br>Dom | 150   | 0.1 | 3    |           | 158              | 0.2 | 6   |           | 217   | 0.3             | 9    |      | 127   | 0.4 | 12               |      | <b>4</b><br>Vie  | 152             | 0.4 | 12  |                  |      |     |    |
|                 | 739   | 0.6 | 18   |           | 805              | 0.7 | 21  |           | 910   | 1.1             | 34   |      | 826   | 1.1 | 34               |      |                  | 925             | 1.4 | 43  |                  |      |     |    |
|                 | 1124  | 0.4 | 12   |           | 1125             | 0.6 | 18  |           | 1505  | 0.6             | 18   |      | 1437  | 0.7 | 21               |      |                  | 1701            | 0.4 | 12  |                  |      |     |    |
|                 | 1907  | 1.5 | 46   |           | 1836             | 1.2 | 37  |           | 2040  | 1.0             | 30   |      | 1843  | 0.9 | 27               |      | 2206             | 0.6             | 18  |     | 1924             | 0.5  | 15  |    |
| <b>5</b><br>Lun | 229   | 0.1 | 3    |           | 223              | 0.3 | 9   |           | 244   | 0.4             | 12   |      | 129   | 0.4 | 12               |      | <b>5</b><br>Sáb  | 214             | 0.4 | 12  |                  |      |     |    |
|                 | 822   | 0.7 | 21   |           | 829              | 0.8 | 24  |           | 956   | 1.3             | 40   |      | 853   | 1.3 | 40               |      |                  | 1005            | 1.4 | 43  |                  |      |     |    |
|                 | 1236  | 0.5 | 15   |           | 1232             | 0.7 | 21  |           | 1636  | 0.6             | 18   |      | 1605  | 0.6 | 18               |      |                  | 1810            | 0.2 | 6   |                  |      |     |    |
|                 | 1954  | 1.4 | 43   |           | 1908             | 1.2 | 37  |           | 2158  | 0.8             | 24   |      | 1929  | 0.7 | 21               |      | 2340             | 0.5             | 15  |     | 2041             | 0.3  | 9   |    |
| <b>6</b><br>Mar | 306   | 0.2 | 6    |           | 244              | 0.4 | 12  |           | 309   | 0.5             | 15   |      | 127   | 0.4 | 12               |      | <b>6</b><br>Dom  | 230             | 0.4 | 12  |                  |      |     |    |
|                 | 916   | 0.8 | 24   |           | 858              | 0.9 | 27  |           | 1040  | 1.3             | 40   |      | 926   | 1.4 | 43               |      |                  | 1044            | 1.4 | 43  |                  |      |     |    |
|                 | 1356  | 0.5 | 15   |           | 1350             | 0.7 | 21  |           | 1807  | 0.4             | 12   |      | 1733  | 0.5 | 15               |      |                  | 1912            | 0.1 | 3   |                  |      |     |    |
|                 | 2046  | 1.3 | 40   |           | 1940             | 1.1 | 34  |           | 2334  | 0.7             | 21   |      | 2039  | 0.5 | 15               |      |                  |                 |     |     | 2205             | 0.2  | 6   |    |
| <b>7</b><br>Mié | 341   | 0.3 | 9    |           | 258              | 0.4 | 12  |           | 329   | 0.5             | 15   |      | 125   | 0.4 | 12               |      | <b>7</b><br>Lun  | 149             | 0.5 | 15  |                  |      |     |    |
|                 | 1016  | 0.9 | 27   |           | 932              | 1.0 | 30  |           | 1122  | 1.4             | 43   |      | 1005  | 1.5 | 46               |      |                  | 218             | 0.5 | 15  |                  |      |     |    |
|                 | 1527  | 0.6 | 18   |           | 1517             | 0.7 | 21  |           | 1926  | 0.3             | 9    |      | 1846  | 0.3 | 9                |      |                  | 1122            | 1.4 | 43  |                  |      |     |    |
|                 | 2146  | 1.1 | 34   |           | 2016             | 1.0 | 30  |           |       |                 |      |      | 2234  | 0.4 | 12               |      | 2010             | 0.1             | 3   |     | 1904             | 0.1  | 3   |    |

|           |                             |                          |                      |           |                             |                          |                      |           |                            |                          |                     |           |                            |                          |                     |           |                            |                          |                     |           |                             |                          |                     |
|-----------|-----------------------------|--------------------------|----------------------|-----------|-----------------------------|--------------------------|----------------------|-----------|----------------------------|--------------------------|---------------------|-----------|----------------------------|--------------------------|---------------------|-----------|----------------------------|--------------------------|---------------------|-----------|-----------------------------|--------------------------|---------------------|
| 8<br>Jue  | 414<br>1114<br>1711<br>2301 | 0.4<br>1.0<br>0.6<br>1.0 | 12<br>30<br>18<br>30 | 23<br>Vie | 305<br>1008<br>1658<br>2103 | 0.5<br>1.1<br>0.7<br>0.8 | 15<br>34<br>21<br>24 | 8<br>Dom  | 134<br>340<br>1202<br>2029 | 0.6<br>0.6<br>1.4<br>0.2 | 18<br>18<br>43<br>6 | 23<br>Lun | 120<br>1049<br>1943        | 0.4<br>1.6<br>0.2        | 12<br>49<br>6       | 8<br>Mar  | 1159<br>2104               | 1.4<br>0.0               | 43<br>0             | 23<br>Mié | 5<br>151<br>1117<br>1956    | 0.2<br>0.2<br>1.7<br>0.0 | 6<br>6<br>52<br>0   |
| 9<br>Vie  | 446<br>1205<br>1857         | 0.5<br>1.2<br>0.5        | 15<br>37<br>15       | 24<br>Sáb | 258<br>1047<br>1841<br>2223 | 0.5<br>1.3<br>0.6<br>0.6 | 15<br>40<br>18<br>18 | 9<br>Lun  | 1242<br>2122               | 1.4<br>0.1               | 43<br>3             | 24<br>Mar | 1139<br>2033               | 1.7<br>0.1               | 52<br>3             | 9<br>Mié  | 1233<br>2149               | 1.3<br>0.0               | 40<br>0             | 24<br>Jue | 1213<br>2045                | 1.7<br>0.0               | 52<br>0             |
| 10<br>Sáb | 38<br>516<br>1252<br>2026   | 0.8<br>0.6<br>1.2<br>0.4 | 24<br>18<br>37<br>12 | 25<br>Dom | 234<br>1128<br>2004         | 0.5<br>1.4<br>0.4        | 15<br>43<br>12       | 10<br>Mar | 1320<br>2208               | 1.3<br>0.0               | 40<br>0             | 25<br>Mié | 1235<br>2120               | 1.7<br>0.0               | 52<br>0             | 10<br>Jue | 1306<br>2226               | 1.3<br>0.0               | 40<br>0             | 25<br>Vie | 1309<br>2129                | 1.6<br>0.0               | 49<br>0             |
| 11<br>Dom | 246<br>548<br>1338<br>2132  | 0.7<br>0.6<br>1.3<br>0.3 | 21<br>18<br>40<br>9  | 26<br>Lun | 1213<br>2102                | 1.5<br>0.2               | 46<br>6              | 11<br>Mié | 1358<br>2248               | 1.3<br>0.0               | 40<br>0             | 26<br>Jue | 1334<br>2205               | 1.6<br>0.0               | 49<br>0             | 11<br>Vie | 1338<br>2254               | 1.2<br>0.0               | 37<br>0             | 26<br>Sáb | 443<br>537<br>1405<br>2208  | 0.5<br>0.5<br>1.5<br>0.0 | 15<br>15<br>46<br>0 |
| 12<br>Lun | 427<br>626<br>1424<br>2224  | 0.7<br>0.7<br>1.3<br>0.2 | 21<br>21<br>40<br>6  | 27<br>Mar | 1305<br>2150                | 1.5<br>0.1               | 46<br>3              | 12<br>Jue | 1436<br>2322               | 1.3<br>0.0               | 40<br>0             | 27<br>Vie | 1435<br>2246               | 1.6<br>0.0               | 49<br>0             | 12<br>Sáb | 1411<br>2317               | 1.2<br>0.0               | 37<br>0             | 27<br>Dom | 510<br>750<br>1504<br>2242  | 0.7<br>0.6<br>1.3<br>0.0 | 21<br>18<br>40<br>0 |
| 13<br>Mar | 523<br>710<br>1509<br>2308  | 0.7<br>0.7<br>1.3<br>0.1 | 21<br>21<br>40<br>3  | 28<br>Mié | 1404<br>2234                | 1.6<br>0.1               | 49<br>3              | 13<br>Vie | 1514<br>2353               | 1.2<br>0.0               | 37<br>0             | 28<br>Sáb | 541<br>738<br>1534<br>2324 | 0.6<br>0.6<br>1.5<br>0.0 | 18<br>18<br>46<br>0 | 13<br>Dom | 1446<br>2336               | 1.2<br>0.1               | 37<br>3             | 28<br>Lun | 546<br>952<br>1609<br>2314  | 0.9<br>0.7<br>1.2<br>0.1 | 27<br>21<br>37<br>3 |
| 14<br>Mié | 600<br>753<br>1550<br>2348  | 0.7<br>0.6<br>1.3<br>0.1 | 21<br>18<br>40<br>3  | 29<br>Jue | 1507<br>2317                | 1.6<br>0.0               | 49<br>0              | 14<br>Sáb | 1550                       | 1.2                      | 37                  | 29<br>Dom | 611<br>913<br>1632<br>2359 | 0.8<br>0.6<br>1.4<br>0.1 | 24<br>18<br>43<br>3 | 14<br>Lun | 718<br>840<br>1520<br>2352 | 0.7<br>0.7<br>1.1<br>0.2 | 21<br>21<br>34<br>6 | 29<br>Mar | 622<br>1146<br>1724<br>2344 | 1.1<br>0.6<br>1.0<br>0.1 | 34<br>18<br>30<br>3 |
| 15<br>Jue | 629<br>833<br>1627          | 0.6<br>0.6<br>1.3        | 18<br>18<br>40       | 30<br>Vie | 601<br>801<br>1608<br>2359  | 0.6<br>0.5<br>1.6<br>0.0 | 18<br>15<br>49<br>0  | 15<br>Dom | 19<br>727<br>856<br>1626   | 0.1<br>0.7<br>0.7<br>1.2 | 3<br>21<br>21<br>37 | 30<br>Lun | 648<br>1106<br>1730        | 0.9<br>0.7<br>1.3        | 27<br>21<br>40      | 15<br>Mar | 707<br>1028<br>1555        | 0.8<br>0.8<br>1.0        | 24<br>24<br>30      | 30<br>Mié | 659<br>1316<br>1836         | 1.2<br>0.5<br>0.8        | 37<br>15<br>24      |
|           |                             |                          |                      | 31<br>Sáb | 624<br>910<br>1703          | 0.7<br>0.6<br>1.5        | 21<br>18<br>46       |           |                            |                          |                     |           |                            |                          |                     |           |                            |                          |                     | 31<br>Jue | 12<br>736<br>1432<br>1941   | 0.2<br>1.3<br>0.4<br>0.7 | 6<br>40<br>12<br>21 |

Fuente: Canal de Panamá (HIAM)

Jorge F. Rodríguez C.



Luna Nueva



Cuarto Creciente



Luna Llena



Cuarto Menguante

Información



Astronómica y Oceanográfica

**SALIDA Y PUESTA DE LA LUNA, AÑO 2026  
CIUDAD DE PANAMÁ, PANAMÁ**

Localización: N 8° 57' , O 79° 33' Zona: 5h al Oeste de Greenwich

| Día | Enero  |        | Febrero |        | Marzo  |        | Abril  |        | Mayo   |        | Junio  |        |
|-----|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|     | Salida | Puesta | Salida  | Puesta | Salida | Puesta | Salida | Puesta | Salida | Puesta | Salida | Puesta |
|     | h : m  | h : m  | h : m   | h : m  | h : m  | h : m  | h : m  | h : m  | h : m  | h : m  | h : m  | h : m  |
| 1   | 16:29  | 4:34   | 18:26   | 06:24  | 17:09  | 05:05  | 18:17  | 05:48  | 18:35  | 05:45  | 19:55  | 06:49  |
| 2   | 17:36  | 5:42   | 19:21   | 07:14  | 18:01  | 05:51  | 19:04  | 06:27  | 19:25  | 06:28  | 20:45  | 07:40  |
| 3   | 18:43  | 6:47   | 20:12   | 07:59  | 18:50  | 06:33  | 19:51  | 07:06  | 20:16  | 07:14  | 21:32  | 08:32  |
| 4   | 19:45  | 7:46   | 21:00   | 08:40  | 19:37  | 07:13  | 20:40  | 07:48  | 21:08  | 08:02  | 22:17  | 09:23  |
| 5   | 20:43  | 8:39   | 21:47   | 09:19  | 20:24  | 07:52  | 21:31  | 08:32  | 21:59  | 08:53  | 22:59  | 10:13  |
| 6   | 21:35  | 9:26   | 22:33   | 09:57  | 21:11  | 08:31  | 22:23  | 09:19  | 22:49  | 09:45  | 23:39  | 11:01  |
| 7   | 22:24  | 10:08  | 23:20   | 10:36  | 21:59  | 09:11  | 23:15  | 10:08  | 23:36  | 10:37  | **:**  | 11:48  |
| 8   | 23:10  | 10:47  | **:**   | 11:17  | 22:49  | 09:53  | **:**  | 11:00  | **:**  | 11:28  | 00:19  | 12:35  |
| 9   | 23:55  | 11:25  | 00:08   | 11:59  | 23:40  | 10:38  | 00:06  | 11:52  | 00:20  | 12:17  | 00:59  | 13:24  |
| 10  | **:**  | 12:02  | 00:58   | 12:45  | **:**  | 11:26  | 00:55  | 12:44  | 01:02  | 13:06  | 01:40  | 14:16  |
| 11  | 00:41  | 12:41  | 01:49   | 13:34  | 00:32  | 12:16  | 01:41  | 13:36  | 01:43  | 13:54  | 02:25  | 15:11  |
| 12  | 01:27  | 13:22  | 02:41   | 14:26  | 01:24  | 13:09  | 02:26  | 14:26  | 02:23  | 14:44  | 03:15  | 16:12  |
| 13  | 02:15  | 14:05  | 03:33   | 15:20  | 02:14  | 14:02  | 03:08  | 15:16  | 03:05  | 15:35  | 04:12  | 17:18  |
| 14  | 03:06  | 14:53  | 04:24   | 16:13  | 03:03  | 14:55  | 03:50  | 16:06  | 03:49  | 16:30  | 05:15  | 18:27  |
| 15  | 03:58  | 15:43  | 05:12   | 17:06  | 03:50  | 15:47  | 04:32  | 16:57  | 04:38  | 17:30  | 06:22  | 19:34  |
| 16  | 04:50  | 16:36  | 05:58   | 17:58  | 04:34  | 16:38  | 05:15  | 17:51  | 05:32  | 18:34  | 07:31  | 20:37  |
| 17  | 05:42  | 17:29  | 06:42   | 18:49  | 05:17  | 17:28  | 06:02  | 18:48  | 06:32  | 19:42  | 08:36  | 21:32  |
| 18  | 06:32  | 18:23  | 07:23   | 19:38  | 05:59  | 18:19  | 06:53  | 19:50  | 07:38  | 20:50  | 09:36  | 22:22  |
| 19  | 07:19  | 19:15  | 08:05   | 20:28  | 06:41  | 19:11  | 07:49  | 20:55  | 08:45  | 21:54  | 10:31  | 23:06  |
| 20  | 08:03  | 20:05  | 08:46   | 21:20  | 07:25  | 20:06  | 08:51  | 22:01  | 09:50  | 22:51  | 11:21  | 23:47  |
| 21  | 08:45  | 20:54  | 09:30   | 22:14  | 08:13  | 21:03  | 09:55  | 23:06  | 10:51  | 23:43  | 12:09  | **:**  |
| 22  | 09:26  | 21:43  | 10:18   | 23:11  | 09:04  | 22:04  | 11:00  | **:**  | 11:47  | **:**  | 12:55  | 00:26  |
| 23  | 10:06  | 22:32  | 11:09   | **:**  | 10:01  | 23:08  | 12:01  | 00:05  | 12:38  | 00:28  | 13:42  | 01:04  |
| 24  | 10:47  | 23:24  | 12:06   | 00:12  | 11:01  | **:**  | 12:58  | 00:59  | 13:26  | 01:09  | 14:29  | 01:43  |
| 25  | 11:32  | **:**  | 13:07   | 01:15  | 12:04  | 00:12  | 13:51  | 01:46  | 14:12  | 01:48  | 15:17  | 02:24  |
| 26  | 12:20  | 00:18  | 14:11   | 02:18  | 13:07  | 01:13  | 14:41  | 02:29  | 14:58  | 02:26  | 16:07  | 03:08  |
| 27  | 13:14  | 01:16  | 15:13   | 03:19  | 14:06  | 02:10  | 15:28  | 03:09  | 15:44  | 03:04  | 16:59  | 03:55  |
| 28  | 14:13  | 02:19  | 16:13   | 04:14  | 15:02  | 03:01  | 16:14  | 03:48  | 16:31  | 03:44  | 17:51  | 04:45  |
| 29  | 15:17  | 03:24  |         |        | 15:54  | 03:47  | 17:00  | 04:26  | 17:21  | 04:26  | 18:41  | 05:36  |
| 30  | 16:22  | 04:28  |         |        | 16:43  | 04:30  | 17:46  | 05:04  | 18:11  | 05:11  | 19:30  | 06:28  |
| 31  | 17:26  | 05:29  |         |        | 17:31  | 05:09  |        |        | 19:03  | 05:58  |        |        |

La hora en negrita indica que la salida de la Luna corresponde su puesta al día siguiente antes del mediodía

| Día | Julio  |        | Agosto |        | Septiembre |        | Octubre |        | Noviembre |        | Diciembre |        |
|-----|--------|--------|--------|--------|------------|--------|---------|--------|-----------|--------|-----------|--------|
|     | Salida | Puesta | Salida | Puesta | Salida     | Puesta | Salida  | Puesta | Salida    | Puesta | Salida    | Puesta |
|     | h : m  | h : m  | h : m  | h : m  | h : m      | h : m  | h : m   | h : m  | h : m     | h : m  | h : m     | h : m  |
| 1   | 20:16  | 07:20  | 20:58  | 08:30  | 21:48      | 09:45  | 22:32   | 10:39  | **:**     | 12:29  | 00:13     | 12:42  |
| 2   | 20:59  | 08:10  | 21:37  | 09:17  | 22:40      | 10:42  | 23:36   | 11:42  | 00:31     | 13:17  | 01:02     | 13:22  |
| 3   | 21:39  | 08:58  | 22:18  | 10:05  | 23:37      | 11:43  | **:**   | 12:43  | 01:25     | 14:01  | 01:50     | 14:01  |
| 4   | 22:18  | 09:45  | 23:02  | 10:56  | **:**      | 12:45  | 0:38    | 13:40  | 02:15     | 14:42  | 02:37     | 14:42  |
| 5   | 22:57  | 10:32  | 23:50  | 11:49  | 00:38      | 13:49  | 01:39   | 14:31  | 03:04     | 15:22  | 03:25     | 15:24  |
| 6   | 23:37  | 11:19  | **:**  | 12:48  | 1:42       | 14:49  | 02:35   | 15:18  | 03:52     | 16:01  | 04:15     | 16:08  |
| 7   | **:**  | 12:08  | 00:44  | 13:50  | 02:45      | 15:45  | 03:28   | 16:02  | 04:40     | 16:43  | 05:06     | 16:55  |
| 8   | 00:19  | 13:00  | 01:44  | 14:55  | 03:46      | 16:36  | 04:19   | 16:43  | 05:29     | 17:26  | 05:58     | 17:45  |
| 9   | 01:05  | 13:57  | 02:49  | 15:59  | 04:43      | 17:23  | 05:08   | 17:23  | 06:20     | 18:11  | 06:50     | 18:36  |
| 10  | 01:57  | 14:58  | 03:55  | 17:00  | 05:36      | 18:06  | 05:57   | 18:04  | 07:12     | 19:00  | 07:41     | 19:28  |
| 11  | 02:55  | 16:04  | 04:59  | 17:56  | 06:27      | 18:48  | 06:46   | 18:46  | 08:04     | 19:50  | 08:30     | 20:19  |
| 12  | 04:00  | 17:12  | 06:00  | 18:46  | 07:17      | 19:29  | 07:36   | 19:31  | 08:56     | 20:42  | 09:15     | 21:08  |
| 13  | 05:07  | 18:17  | 06:56  | 19:32  | 08:06      | 20:10  | 08:27   | 20:18  | 09:46     | 21:33  | 09:57     | 21:55  |
| 14  | 06:14  | 19:16  | 07:49  | 20:14  | 08:55      | 20:53  | 09:20   | 21:07  | 10:34     | 22:24  | 10:37     | 22:41  |
| 15  | 07:18  | 20:10  | 08:39  | 20:55  | 09:46      | 21:38  | 10:12   | 21:58  | 11:18     | 23:13  | 11:15     | 23:26  |
| 16  | 08:17  | 20:57  | 09:27  | 21:35  | 10:37      | 22:25  | 11:04   | 22:49  | 12:00     | **:**  | 11:53     | **:**  |
| 17  | 09:10  | 21:41  | 10:16  | 22:17  | 11:29      | 23:15  | 11:53   | 23:41  | 12:40     | 00:00  | 12:32     | 00:12  |
| 18  | 10:01  | 22:21  | 11:05  | 23:00  | 12:21      | **:**  | 12:40   | **:**  | 13:19     | 00:46  | 13:12     | 00:59  |
| 19  | 10:49  | 23:01  | 11:55  | 23:45  | 13:12      | 00:07  | 13:24   | 00:31  | 13:58     | 01:33  | 13:57     | 01:49  |
| 20  | 11:36  | 23:41  | 12:47  | **:**  | 14:01      | 00:59  | 14:05   | 01:20  | 14:38     | 02:21  | 14:46     | 02:44  |
| 21  | 12:24  | **:**  | 13:38  | 00:33  | 14:47      | 01:50  | 14:46   | 02:08  | 15:22     | 03:11  | 15:42     | 03:44  |
| 22  | 13:12  | 00:22  | 14:30  | 01:24  | 15:31      | 02:41  | 15:25   | 02:56  | 16:10     | 04:05  | 16:45     | 04:49  |
| 23  | 14:02  | 01:05  | 15:20  | 02:15  | 16:12      | 03:30  | 16:06   | 03:44  | 17:04     | 05:03  | 17:53     | 05:57  |
| 24  | 14:54  | 01:51  | 16:08  | 03:08  | 16:52      | 04:18  | 16:48   | 04:34  | 18:05     | 06:07  | 19:01     | 07:04  |
| 25  | 15:46  | 02:40  | 16:54  | 03:59  | 17:33      | 05:06  | 17:34   | 05:26  | 19:10     | 07:14  | 20:07     | 08:06  |
| 26  | 16:37  | 03:31  | 17:36  | 04:49  | 18:14      | 05:55  | 18:25   | 06:23  | 20:17     | 08:21  | 21:08     | 09:02  |
| 27  | 17:26  | 04:23  | 18:17  | 05:38  | 18:57      | 06:46  | 19:21   | 07:23  | 21:23     | 09:25  | 22:04     | 09:52  |
| 28  | 18:13  | 05:15  | 18:57  | 06:26  | 19:44      | 07:39  | 20:23   | 08:28  | 22:24     | 10:22  | 22:56     | 10:37  |
| 29  | 18:57  | 06:06  | 19:36  | 07:14  | 20:35      | 08:36  | 21:27   | 09:33  | 23:20     | 11:13  | 23:46     | 11:20  |
| 30  | 19:39  | 06:55  | 20:17  | 08:02  | 21:32      | 09:36  | 22:32   | 10:37  | **:**     | 11:59  | **:**     | 12:00  |
| 31  | 20:19  | 07:43  | 21:01  | 08:52  |            |        | 23:34   | 11:36  |           |        | 00:34     | 12:41  |

Fuente: <https://aa.usno.navy.mil/>

Nota: Los signos "\*\*:\*\*" indican que el fenómeno no ocurre en el lapso de 24 horas

**SALIDA Y PUESTA DEL SOL, AÑO 2026**  
**CIUDAD DE PANAMÁ, PANAMÁ**

Localización: N 8° 57' , O 79° 33' Zona: - 5h al Oeste de Greenwich

| Día | Enero           |                 | Febrero         |                 | Marzo           |                 | Abril           |                 | Mayo            |                 | Junio           |                 |
|-----|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|     | Salida<br>h : m | Puesta<br>h : m | Salida<br>h : m | Puesta<br>h : m | Salida<br>h : m | Puesta<br>h : m | Salida<br>h : m | Puesta<br>h : m | Salida<br>h : m | Puesta<br>h : m | Salida<br>h : m | Puesta<br>h : m |
| 1   | 06:33           | 18:10           | 06:39           | 18:24           | 06:32           | 18:29           | 06:16           | 18:28           | 06:02           | 18:29           | 05:58           | 18:34           |
| 2   | 06:34           | 18:11           | 06:39           | 18:25           | 06:31           | 18:29           | 06:15           | 18:28           | 06:02           | 18:29           | 05:58           | 18:35           |
| 3   | 06:34           | 18:11           | 06:39           | 18:25           | 06:31           | 18:29           | 06:15           | 18:28           | 06:01           | 18:29           | 05:58           | 18:35           |
| 4   | 06:35           | 18:12           | 06:39           | 18:25           | 06:30           | 18:29           | 06:14           | 18:28           | 06:01           | 18:29           | 05:58           | 18:35           |
| 5   | 06:35           | 18:12           | 06:39           | 18:26           | 06:30           | 18:29           | 06:14           | 18:28           | 06:01           | 18:29           | 05:58           | 18:35           |
| 6   | 06:35           | 18:13           | 06:39           | 18:26           | 06:30           | 18:29           | 06:13           | 18:28           | 06:01           | 18:29           | 05:58           | 18:36           |
| 7   | 06:36           | 18:14           | 06:39           | 18:26           | 06:29           | 18:29           | 06:13           | 18:28           | 06:00           | 18:29           | 05:58           | 18:36           |
| 8   | 06:36           | 18:14           | 06:38           | 18:26           | 06:29           | 18:29           | 06:12           | 18:28           | 06:00           | 18:29           | 05:58           | 18:36           |
| 9   | 06:36           | 18:15           | 06:38           | 18:27           | 06:28           | 18:29           | 06:11           | 18:28           | 06:00           | 18:30           | 05:59           | 18:37           |
| 10  | 06:37           | 18:15           | 06:38           | 18:27           | 06:28           | 18:29           | 06:11           | 18:28           | 06:00           | 18:30           | 05:59           | 18:37           |
| 11  | 06:37           | 18:16           | 06:38           | 18:27           | 06:27           | 18:29           | 06:10           | 18:28           | 05:59           | 18:30           | 05:59           | 18:37           |
| 12  | 06:37           | 18:16           | 06:38           | 18:27           | 06:27           | 18:29           | 06:10           | 18:28           | 05:59           | 18:30           | 05:59           | 18:37           |
| 13  | 06:37           | 18:17           | 06:37           | 18:27           | 06:26           | 18:29           | 06:09           | 18:28           | 05:59           | 18:30           | 05:59           | 18:38           |
| 14  | 06:38           | 18:17           | 06:37           | 18:28           | 06:26           | 18:29           | 06:09           | 18:28           | 05:59           | 18:30           | 05:59           | 18:38           |
| 15  | 06:38           | 18:18           | 06:37           | 18:28           | 06:25           | 18:29           | 06:09           | 18:28           | 05:59           | 18:31           | 05:59           | 18:38           |
| 16  | 06:38           | 18:18           | 06:37           | 18:28           | 06:24           | 18:29           | 06:08           | 18:28           | 05:58           | 18:31           | 06:00           | 18:38           |
| 17  | 06:38           | 18:18           | 06:36           | 18:28           | 06:24           | 18:29           | 06:08           | 18:28           | 05:58           | 18:31           | 06:00           | 18:39           |
| 18  | 06:38           | 18:19           | 06:36           | 18:28           | 06:23           | 18:29           | 06:07           | 18:28           | 05:58           | 18:31           | 06:00           | 18:39           |
| 19  | 06:39           | 18:19           | 06:36           | 18:28           | 06:23           | 18:29           | 06:07           | 18:28           | 05:58           | 18:31           | 06:00           | 18:39           |
| 20  | 06:39           | 18:20           | 06:35           | 18:28           | 06:22           | 18:29           | 06:06           | 18:28           | 05:58           | 18:32           | 06:00           | 18:39           |
| 21  | 06:39           | 18:20           | 06:35           | 18:29           | 06:22           | 18:29           | 06:06           | 18:28           | 05:58           | 18:32           | 06:01           | 18:39           |
| 22  | 06:39           | 18:21           | 06:35           | 18:29           | 06:21           | 18:29           | 06:05           | 18:28           | 05:58           | 18:32           | 06:01           | 18:40           |
| 23  | 06:39           | 18:21           | 06:34           | 18:29           | 06:21           | 18:29           | 06:05           | 18:28           | 05:58           | 18:32           | 06:01           | 18:40           |
| 24  | 06:39           | 18:22           | 06:34           | 18:29           | 06:20           | 18:29           | 06:05           | 18:28           | 05:58           | 18:32           | 06:01           | 18:40           |
| 25  | 06:39           | 18:22           | 06:34           | 18:29           | 06:20           | 18:29           | 06:04           | 18:28           | 05:58           | 18:33           | 06:02           | 18:40           |
| 26  | 06:39           | 18:22           | 06:33           | 18:29           | 06:19           | 18:29           | 06:04           | 18:28           | 05:58           | 18:33           | 06:02           | 18:40           |
| 27  | 06:39           | 18:23           | 06:33           | 18:29           | 06:18           | 18:29           | 06:03           | 18:28           | 05:58           | 18:33           | 06:02           | 18:41           |
| 28  | 06:39           | 18:23           | 06:32           | 18:29           | 06:18           | 18:29           | 06:03           | 18:28           | 05:58           | 18:33           | 06:02           | 18:41           |
| 29  | 06:39           | 18:23           |                 |                 | 06:17           | 18:28           | 06:03           | 18:28           | 05:58           | 18:34           | 06:03           | 18:41           |
| 30  | 06:39           | 18:24           |                 |                 | 06:17           | 18:28           | 06:02           | 18:29           | 05:58           | 18:34           | 06:03           | 18:41           |
| 31  | 06:39           | 18:24           |                 |                 | 06:16           | 18:28           |                 |                 | 05:58           | 18:34           |                 |                 |

| Dia | Julio  |        | Agosto |        | Septiembre |        | Octubre |        | Noviembre |        | Diciembre |        |
|-----|--------|--------|--------|--------|------------|--------|---------|--------|-----------|--------|-----------|--------|
|     | Salida | Puesta | Salida | Puesta | Salida     | Puesta | Salida  | Puesta | Salida    | Puesta | Salida    | Puesta |
|     | h : m  | h : m  | h : m  | h : m  | h : m      | h : m  | h : m   | h : m  | h : m     | h : m  | h : m     | h : m  |
| 1   | 06:03  | 18:41  | 06:09  | 18:40  | 06:10      | 18:27  | 06:07   | 18:09  | 06:08     | 17:56  | 06:18     | 17:57  |
| 2   | 06:03  | 18:41  | 06:09  | 18:39  | 06:10      | 18:26  | 06:06   | 18:08  | 06:08     | 17:56  | 06:19     | 17:57  |
| 3   | 06:04  | 18:41  | 06:10  | 18:39  | 06:09      | 18:25  | 06:06   | 18:08  | 06:08     | 17:55  | 06:19     | 17:57  |
| 4   | 06:04  | 18:42  | 06:10  | 18:39  | 06:09      | 18:25  | 06:06   | 18:07  | 06:08     | 17:55  | 06:19     | 17:57  |
| 5   | 06:04  | 18:42  | 06:10  | 18:39  | 06:09      | 18:24  | 06:06   | 18:07  | 06:08     | 17:55  | 06:20     | 17:58  |
| 6   | 06:04  | 18:42  | 06:10  | 18:38  | 06:09      | 18:24  | 06:06   | 18:06  | 06:09     | 17:55  | 06:21     | 17:58  |
| 7   | 06:05  | 18:42  | 06:10  | 18:38  | 06:09      | 18:23  | 06:06   | 18:06  | 06:09     | 17:55  | 06:21     | 17:58  |
| 8   | 06:05  | 18:42  | 06:10  | 18:38  | 06:09      | 18:22  | 06:06   | 18:05  | 06:09     | 17:55  | 06:22     | 17:59  |
| 9   | 06:05  | 18:42  | 06:10  | 18:37  | 06:09      | 18:22  | 06:06   | 18:05  | 06:09     | 17:55  | 06:22     | 17:59  |
| 10  | 06:05  | 18:42  | 06:10  | 18:37  | 06:09      | 18:21  | 06:06   | 18:04  | 06:10     | 17:54  | 06:23     | 18:00  |
| 11  | 06:05  | 18:42  | 06:10  | 18:37  | 06:09      | 18:21  | 06:06   | 18:04  | 06:10     | 17:54  | 06:23     | 18:00  |
| 12  | 06:06  | 18:42  | 06:10  | 18:36  | 06:09      | 18:20  | 06:06   | 18:03  | 06:10     | 17:54  | 06:24     | 18:00  |
| 13  | 06:06  | 18:42  | 06:10  | 18:36  | 06:08      | 18:20  | 06:06   | 18:03  | 06:11     | 17:54  | 06:24     | 18:01  |
| 14  | 06:06  | 18:42  | 06:10  | 18:35  | 06:08      | 18:19  | 06:06   | 18:02  | 06:11     | 17:54  | 06:25     | 18:01  |
| 15  | 06:06  | 18:42  | 06:10  | 18:35  | 06:08      | 18:18  | 06:06   | 18:02  | 06:11     | 17:54  | 06:25     | 18:02  |
| 16  | 06:07  | 18:42  | 06:10  | 18:35  | 06:08      | 18:18  | 06:06   | 18:01  | 06:12     | 17:54  | 06:26     | 18:02  |
| 17  | 06:07  | 18:42  | 06:10  | 18:34  | 06:08      | 18:17  | 06:06   | 18:01  | 06:12     | 17:54  | 06:26     | 18:03  |
| 18  | 06:07  | 18:42  | 06:10  | 18:34  | 06:08      | 18:17  | 06:06   | 18:00  | 06:12     | 17:54  | 06:27     | 18:03  |
| 19  | 06:07  | 18:42  | 06:10  | 18:33  | 06:08      | 18:16  | 06:06   | 18:00  | 06:13     | 17:54  | 06:27     | 18:04  |
| 20  | 06:07  | 18:42  | 06:10  | 18:33  | 06:08      | 18:15  | 06:06   | 18:00  | 06:13     | 17:54  | 06:28     | 18:04  |
| 21  | 06:08  | 18:42  | 06:10  | 18:32  | 06:08      | 18:15  | 06:06   | 17:59  | 06:14     | 17:55  | 06:28     | 18:05  |
| 22  | 06:08  | 18:42  | 06:10  | 18:32  | 06:07      | 18:14  | 06:06   | 17:59  | 06:14     | 17:55  | 06:29     | 18:05  |
| 23  | 06:08  | 18:41  | 06:10  | 18:31  | 06:07      | 18:14  | 06:06   | 17:58  | 06:14     | 17:55  | 06:29     | 18:06  |
| 24  | 06:08  | 18:41  | 06:10  | 18:31  | 06:07      | 18:13  | 06:07   | 17:58  | 06:15     | 17:55  | 06:30     | 18:06  |
| 25  | 06:08  | 18:41  | 06:10  | 18:30  | 06:07      | 18:12  | 06:07   | 17:58  | 06:15     | 17:55  | 06:30     | 18:07  |
| 26  | 06:09  | 18:41  | 06:10  | 18:30  | 06:07      | 18:12  | 06:07   | 17:57  | 06:16     | 17:55  | 06:31     | 18:07  |
| 27  | 06:09  | 18:41  | 06:10  | 18:29  | 06:07      | 18:11  | 06:07   | 17:57  | 06:16     | 17:56  | 06:31     | 18:08  |
| 28  | 06:09  | 18:41  | 06:10  | 18:29  | 06:07      | 18:11  | 06:07   | 17:57  | 06:17     | 17:56  | 06:32     | 18:08  |
| 29  | 06:09  | 18:40  | 06:10  | 18:28  | 06:07      | 18:10  | 06:07   | 17:57  | 06:17     | 17:56  | 06:32     | 18:09  |
| 30  | 06:09  | 18:40  | 06:10  | 18:28  | 06:07      | 18:09  | 06:07   | 17:56  | 06:18     | 17:56  | 06:32     | 18:09  |
| 31  | 06:09  | 18:40  | 06:10  | 18:27  |            |        | 06:07   | 17:56  |           |        | 06:33     | 18:10  |

Fuentes: <https://aa.usno.navy.mil/>

## Datos astronómicos 2026

| Enero |     |    |       | Febrero |     |    |       | Marzo |     |    |       | Abril |     |    |       |
|-------|-----|----|-------|---------|-----|----|-------|-------|-----|----|-------|-------|-----|----|-------|
| f     | m   | d  | h:m   | f       | m   | d  | h:m   | f     | m   | d  | h:m   | f     | m   | d  | h:m   |
| P     | Ene | 01 | 16:44 | ☉       | Feb | 01 | 17:09 | EL    | Mar | 03 | 06:04 | ☉     | Abr | 01 | 21:12 |
| ☉     | Ene | 03 | 05:03 | ☾       | Feb | 09 | 07:43 | ☉     | Mar | 03 | 06:38 | A     | Abr | 07 | 03:31 |
| Ph    | Ene | 03 | 12:15 | A       | Feb | 10 | 11:52 | A     | Mar | 10 | 08:43 | ☾     | Abr | 09 | 23:52 |
| ☾     | Ene | 10 | 10:48 | ●       | Feb | 17 | 07:01 | ☾     | Mar | 11 | 04:38 | ●     | Abr | 17 | 06:52 |
| A     | Ene | 13 | 15:47 | ES      | Feb | 17 | n/v   | ●     | Mar | 18 | 20:23 | P     | Abr | 19 | 01:55 |
| ●     | Ene | 18 | 14:52 | ☾       | Feb | 24 | 07:28 | S1    | Mar | 20 | 09:46 | ☾     | Abr | 23 | 21:32 |
| ☾     | Ene | 25 | 23:47 | P       | Feb | 24 | 18:14 | P     | Mar | 22 | 06:40 |       |     |    |       |
| P     | Ene | 29 | 16:46 |         |     |    |       | ☾     | Mar | 25 | 14:18 |       |     |    |       |

| Mayo |     |    |       | Junio |     |    |       | Julio |     |    |       | Agosto |     |    |       |
|------|-----|----|-------|-------|-----|----|-------|-------|-----|----|-------|--------|-----|----|-------|
| f    | m   | d  | h:m   | f     | m   | d  | h:m   | f     | m   | d  | h:m   | f      | m   | d  | h:m   |
| ☉    | May | 01 | 12:23 | ☾     | Jun | 08 | 05:00 | Ah    | Jul | 06 | 12:30 | ☾      | Ago | 05 | 21:21 |
| A    | May | 04 | 17:30 | P     | Jun | 14 | 18:20 | ☾     | Jul | 07 | 14:29 | P      | Ago | 10 | 06:18 |
| ☾    | May | 09 | 16:10 | ●     | Jun | 14 | 21:54 | P     | Jul | 13 | 02:57 | ●      | Ago | 12 | 12:37 |
| ●    | May | 16 | 15:01 | S2    | Jun | 21 | 03:25 | ●     | Jul | 14 | 04:44 | ES     | Ago | 12 | n/v   |
| P    | May | 17 | 08:44 | ☾     | Jun | 21 | 16:55 | ☾     | Jul | 21 | 06:06 | ☾      | Ago | 19 | 21:46 |
| ☾    | May | 23 | 06:11 | A     | Jun | 28 | 02:11 | A     | Jul | 25 | 11:45 | A      | Ago | 22 | 03:20 |
| ☉    | May | 31 | 03:45 | ☉     | Jun | 29 | 18:57 | ☉     | Jul | 29 | 09:36 | EL     | Ago | 27 | 23:12 |
| A    | May | 31 | 23:33 |       |     |    |       |       |     |    |       | ☉      | Ago | 27 | 23:18 |

| Septiembre |     |    |       | Octubre |     |    |       | Noviembre |     |    |       | Diciembre |     |    |       |
|------------|-----|----|-------|---------|-----|----|-------|-----------|-----|----|-------|-----------|-----|----|-------|
| f          | m   | d  | h:m   | f       | m   | d  | h:m   | f         | m   | d  | h:m   | f         | m   | d  | h:m   |
| ☾          | Sep | 04 | 02:51 | P       | Oct | 01 | 15:51 | ☾         | Nov | 01 | 15:28 | ☾         | Dic | 01 | 01:09 |
| P          | Sep | 06 | 15:43 | ☾       | Oct | 03 | 08:25 | ●         | Nov | 09 | 02:02 | ●         | Dic | 08 | 19:52 |
| ●          | Sep | 10 | 22:27 | ●       | Oct | 10 | 10:50 | A         | Nov | 13 | 12:50 | A         | Dic | 11 | 01:46 |
| ☾          | Sep | 18 | 15:44 | A       | Oct | 16 | 17:56 | ☾         | Nov | 17 | 06:48 | ☾         | Dic | 17 | 00:43 |
| A          | Sep | 18 | 22:00 | ☾       | Oct | 18 | 11:13 | ☉         | Nov | 24 | 09:53 | S4        | Dic | 21 | 15:51 |
| S3         | Sep | 22 | 19:06 | ☉       | Oct | 25 | 23:12 | P         | Nov | 25 | 16:01 | ☉         | Dic | 23 | 20:28 |
| ☉          | Sep | 26 | 11:49 | P       | Oct | 28 | 13:05 |           |     |    |       | P         | Dic | 24 | 03:31 |
|            |     |    |       |         |     |    |       |           |     |    |       | ☾         | Dic | 30 | 13:59 |

La hora es local (UTC-5) Panamá

f - fase m - mes d - día h : m - hora : minuto n/v - no visible en Panamá

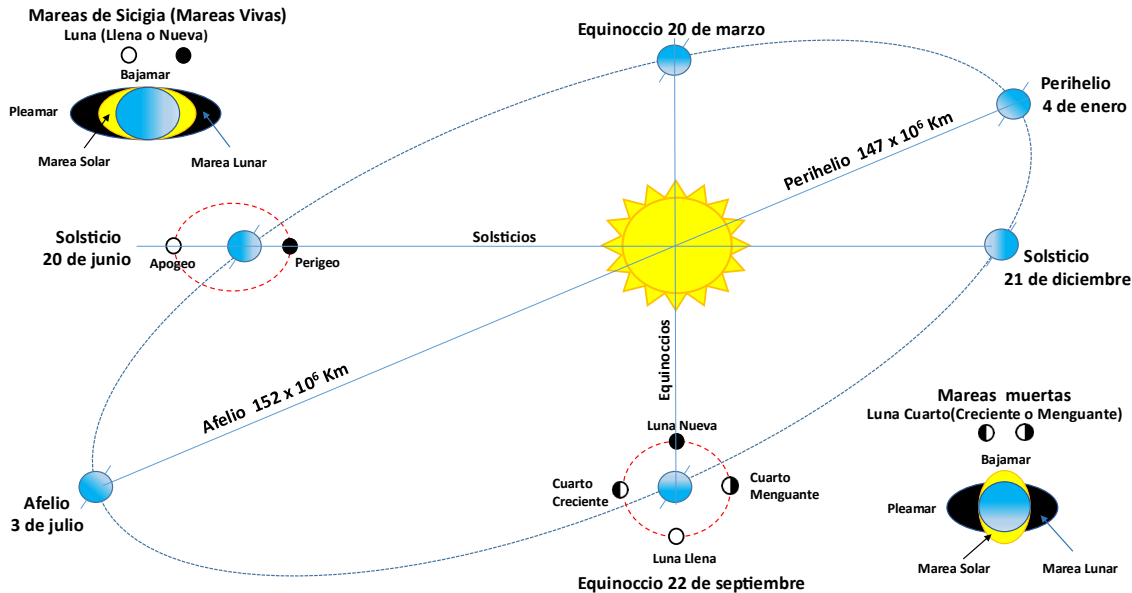
Fuentes: [aa.usno.navy.mil/data/Earth\\_Seasons](http://aa.usno.navy.mil/data/Earth_Seasons) - [eclipse.gsfc.nasa.gov/eclipse.html](http://eclipse.gsfc.nasa.gov/eclipse.html) - [http://neoprogrammics.com/moon/Yearly\\_Lunar\\_Events\\_Calculator.php](http://neoprogrammics.com/moon/Yearly_Lunar_Events_Calculator.php) <https://>

### Datos lunares

-  Luna nueva
-  Cuarto creciente
-  Luna llena
-  Cuarto menguante
- A Luna en apogeo
- P Luna en perigeo
- EL Eclipse Lunar

### Datos solares

- Equinoccio de marzo
- Solsticio de junio
- Equinoccio de septiembre
- Solsticio de diciembre
- Afelio
- Perihelio
- Eclipse Solar



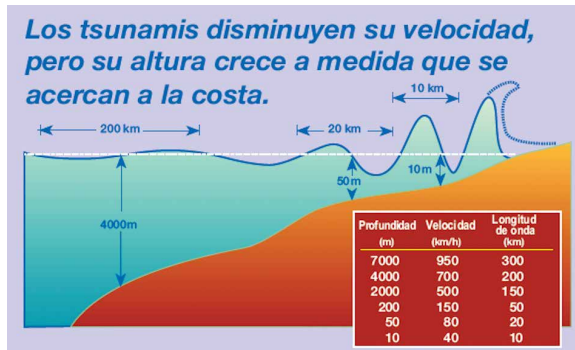
Ayax Murillo Burgos

# Todos preparados ante un tsunami!

## Señales de alerta ante un tsunami

Un sismo fuerte es una señal de alerta de la naturaleza. Si usted está en la playa y la tierra se sacude tan fuerte que no puede mantenerse en pie, o se sacude por un tiempo inusualmente largo, un tsunami podría haber sido generado.

Un tsunami podría ser precedido por un rápido descenso del nivel del mar como si éste se retirara, exponiendo el fondo marino, arrecifes, rocas y peces.



El tsunami a menudo se acerca a la costa como una muralla de agua y rápidamente inunda tierra adentro. Un fuerte rugido como si un avión o un tren se acercaran, podría ser oído en la medida que el tsunami se precipita hacia la costa.

## Lo que usted debe hacer

Después de un terremoto o temblor, diríjase rápidamente tierra adentro o a una zona elevada. Un tsunami generado por un terremoto local puede presentarse en la costa en pocos minutos, antes de que una alerta de tsunami sea emitida. Si siente que la naturaleza entrega señales de alerta de Tsunami, actúe inmediatamente.

Los tsunamis generados en puntos distantes de la costa pueden tomar hasta 24 horas para atravesar la cuenca oceánica. Se anunciarán Alertas de Tsunami advirtiendo a las comunidades ribereñas, cuando estas debiesen evacuar hacia refugios seguros. Aprenda a reconocer las señales naturales de un tsunami. Preste atención a las alertas oficiales.

Aléjese de ríos o arroyos. Si se acerca a ver un tsunami, es poco probable que corriendo usted sea capaz de dejarlo atrás. Busque edificios sólidos, de varios pisos, de concreto reforzado y suba hasta el piso más alto, o si es posible al techo. Si no tiene tiempo, trepe a un árbol y aférrsele fuertemente.

Si es arrastrado por un tsunami, busque un objeto que lo ayude a mantenerse a flote y a protegerse de escombros peligrosos como casas, vehículos o árboles.

## Tsunamis

- Son series de olas oceánicas de larga longitud y largo periodo. No son olas para surfear.
- Llegan a la costa durante horas. La primera ola puede no ser la más alta.
- Son generados por terremotos ocurridos cerca de la costa o por terremotos submarinos.

- Son causados con menos frecuencia por erupciones volcánicas, deslizamientos o derrumbes submarinos, y por el impacto de meteoritos en el mar.
- Vienen a la velocidad de un jet (avión supersónico) en mar profundo, pero las olas tienen pocos centímetros de altura y no pueden sentirse a bordo de embarcaciones.
- Baján su velocidad y crecen tremendamente en altura al entrar en aguas poco profundas o someras.
- Pueden crecer hasta 10 metros de altura, golpear las costas con una fuerza devastadora e inundar rápidamente todas las áreas costeras.
- Son una amenaza para la vida y las propiedades.



United Nations  
Educational,  
Scientific and  
Cultural  
Organization



Intergovernmental  
Oceanographic  
Commission



National Oceanic  
and Atmospheric  
Administration



Servicio  
Hidrográfico y  
Oceanográfico de  
la Armada de Chile



International  
Tsunami  
Information Center



Para mayor información contacte al Centro Internacional de Información de Tsunamis  
E-mail: [itic.tsunami@noaa.gov](mailto:itic.tsunami@noaa.gov) Web: <http://www.tsunamiwave.org>

# Escala de Beaufort

| Grado | Velocidad del viento (km/h) | Nudos (millas náuticas/h) | Denominación                  | Aspectos en tierra   |
|-------|-----------------------------|---------------------------|-------------------------------|--|
| 0     | 0 a 1                       | < 1                       | Calma                         | Calma, el humo asciende verticalmente  |
| 1     | 2 a 5                       | 1 a 3                     | Ventolina                     | El humo indica la dirección del viento   |
| 2     | 6 a 11                      | 4 a 6                     | Flojito (Brisa muy débil)     | Se caen las hojas de los árboles, empiezan a moverse los molinos de los campos   |
| 3     | 12 a 19                     | 7 a 10                    | Flojo (Brisa Ligera)          | Se agitan las hojas, ondulan las banderas  |
| 4     | 20 a 28                     | 11 a 16                   | Bonancible (Brisa moderada)   | Se levanta polvo y papeles, se agitan las copas de los árboles   |
| 5     | 29 a 38                     | 17 a 21                   | Fresquito (Brisa fresca)      | Pequeños movimientos de los árboles, superficie de los lagos ondulada  |
| 6     | 39 a 49                     | 22 a 27                   | Fresco (Brisa fuerte)         | Se mueven las ramas de los árboles, dificultad para mantener abierto el paraguas   |
| 7     | 50 a 61                     | 28 a 33                   | Frescachón (Viento fuerte)    | Se mueven los árboles grandes, dificultad para caminar contra el viento  |
| 8     | 62 a 74                     | 34 a 40                   | Temporal (Viento duro)        | Se quiebran las copas de los árboles, circulación de personas muy difícil, los vehículos se mueven por sí mismos.          |
| 9     | 75 a 88                     | 41 a 47                   | Temporal fuerte (Muy duro)    | Daños en árboles, imposible caminar con normalidad. Se empiezan a dañar las construcciones. Arrastre de vehículos.         |
| 10    | 89 a 102                    | 48 a 55                   | Temporal duro (Temporal)      | Árboles arrancados, daños en la estructura de las construcciones. Daños mayores en objetos a la intemperie.                |
| 11    | 103 a 117                   | 56 a 63                   | Temporal muy duro (Borrasca)  | Destrucción en todas partes, lluvias muy intensas, inundaciones muy altas. Voladura de personas y de otros muchos objetos. |
| 12    | 118                         | > 64                      | Temporal huracanado (Huracán) | Voladura de vehículos, árboles, casas, techos y personas. Puede generar un huracán o tifón                                 |

La escala Beaufort mide la intensidad del viento basándose principalmente en la fuerza del viento, el estado de la mar y la forma y altura de las olas. La escala Beaufort está dividida en 12 grados. Fue creada por el almirante irlandés, Francis Beaufort en el año 1805

# Escala de Douglas

| Grado | Denominación (Español) | Denominación (Ingles) | Altura de las olas en metros | Aspectos del mar  | Equivalencia Beaufort |
|-------|------------------------|-----------------------|------------------------------|---|-----------------------|
| 0     | CALMA                  | Calm (glassy)         | 0 metros                     | La mar está como un espejo.   | 0                     |
| 1     | RIZADA                 | Calm (rippled)        | 0-0.2                        | Mar rizada con pequeñas crestas pero sin espuma   | 1 y 2                 |
| 2     | MAREJADILLA            | Smooth                | 0.2-0.5                      | Pequeñas ondas cuyas crestas empiezan a romper  | 3                     |
| 3     | MAREJADA               | Slight                | 0.5-1.25                     | Olas pequeñas que rompen. Se forman frecuentes borreguillos.  | 4                     |
| 4     | FUERTE MAREJADA        | Moderate              | 1.25-2.5                     | Olas moderadas de forma alargada. Se forman muchos borreguillos.  | 5                     |
| 5     | GRUESA                 | Rough                 | 2.5-4                        | Se forman grandes olas con crestas de espuma blanca por todas partes  | 6                     |
| 6     | MUY GRUESA             | Very rough            | 4.0-6.0                      | La mar empieza a amontonarse y la espuma blanca de las crestas es impulsada por el viento.  | 7                     |
| 7     | ARBOLADA               | High                  | 6.0-9.0                      | Olas altas. Densas bandas de espuma en la dirección del viento y la mar empieza a romper. El agua pulverizada dificulta la visibilidad.   | 8 y 9                 |
| 8     | MONTAÑOSA              | Very high             | 9.0-14                       | Olas muy altas con crestas largas y rompientes. La espuma va en grandes masas en la dirección del viento y la superficie del mar aparece casi blanca. Las olas rompen brusca y pesadamente. Escasa visibilidad. | 10 y 11               |
| 9     | ENORME                 | Phenomenal            | + de 14                      | El aire está lleno de espuma y agua pulverizada. La mar completamente blanca. Visibilidad prácticamente nula.   | 12                    |

*La Escala Douglas es una escala que clasifica los diferentes estados del mar en 10 grados tomando como referencia el tamaño de las olas. Fue creada por el vicealmirante inglés Henry Percy Douglas en 1917 cuando dirigía el Servicio Meteorológico de la Armada Británica. La escala tiene dos códigos, uno para estimar el estado del mar y otro para describir la altura de las olas. Esta escala se adaptó internacionalmente recurriendo en la mayoría de los países a los nombres tradicionales que describían los diferentes estados del mar.*

# INFORMACIÓN DE NAVEGACIÓN POR EL CANAL DE PANAMÁ



**Para información:**  
Edificio 707, CCAA, Balboa

**Teléfonos:**  
(507) 272-8550 o 272-8323

**Fax:** (507) 272-8222

**Página de Internet:**  
<http://www.pancanal.com/esp/hr/sidmar/index.html>

**Correo electrónico:** [sidmar@pancanal.com](mailto:sidmar@pancanal.com)

## Distancias y Rumbos: Norte y Sur

| BORDADAS                     | DE      | HASTA   | RUMBO<br>S | RUMBO<br>N | DIST. A | DIST. B |
|------------------------------|---------|---------|------------|------------|---------|---------|
| Entrada del Atlántico        | BRKW    | BY 1    | 180°       | 000°       | 1.4     | 1.4     |
| Entrada del Atlántico - A    | BY 1    | BY 16   | 180°       | 000°       | 3.3     | 3.3     |
| ATLANTIC TURNING BASIN       | BY 12A  | BY16    |            |            | 0.6     | 0.6     |
| Aproximación a Gatún         | BY 16   | N de GT | 188°       | 008°       | 1.0     |         |
| Bordada de Agua Clara        | BY 11   | N de AC | 171°       | 351°       |         | 1.5     |
| Esclusa de Gatún             |         |         | 188°       | 008°       | 1.0     |         |
| Esclusa de Agua Clara        |         |         | 171°       | 351°       |         | 1.1     |
| Bordada de Banana            | S de AC | BY 5    | 171°       | 351°       |         | 1       |
| Bordada de Balsa             | BY 5    | BY 11   | 221°       | 041°       |         | 1.3     |
| Bordada de Gatún (B - Balsa) | S de GT | BY 16   | 180°       | 000°       | 3.2     | 1.4     |
| Bordada de Peña Blanca       | BY 16   | BY 32   | 120°       | 300°       | 3.8     | 3.8     |
| Bordada de Bohío             | BY 32   | BY 39 A | 073°       | 253°       | 1.4     | 1.4     |
| Bordada de Buena Vista       | BY 39 A | BY 49   | 130°       | 310°       | 2.4     | 2.4     |
| Bordada de Tavernilla        | BY 49   | BY 60   | 169°       | 349°       | 2.4     | 2.4     |
| TURNING BASIN                | BY 58 A | BY 59 A |            |            | 0.4     | 0.4     |
| Bordada de San Pablo         | BY 60   | BY 70   | 102°       | 282°       | 2.2     | 2.2     |
| Bordada de Mamei             | BY 70   | BY 77   | 058°       | 238°       | 0.9     | 0.9     |
| Bordada de Juan Grande       | BY 77   | BY 78   | 078°       | 258°       | 0.5     | 0.5     |
| Bordada de Gamboa            | BY 78   | BY 97   | 099°       | 279°       | 2.7     | 2.7     |
| Chagres Crossing             | BY 97   | BY 98   | 121°       | 301°       | 0.8     | 0.8     |
| Bordada de Bas Obispo        | BY 98   | BY 112  | 151°       | 331°       | 1.6     | 1.6     |
| Bordada de Las Cascadas      | BY 112  | BY 126  | 159°       | 339°       | 0.9     | 0.9     |

## Distancias y Rumbos: Norte y Sur

| BORDADAS                    | DE           | HASTA        | RUMBO S | RUMBO N | DIST. A    | DIST. B    |
|-----------------------------|--------------|--------------|---------|---------|------------|------------|
| Curva de Cunnette           | BY 126       | BY 134       | 144°    | 324°    | 0.4        | 0.4        |
| Bordada de Empire           | BY 134       | BY 148       | 130°    | 310°    | 0.8        | 0.8        |
| Bordada de Culebra          | BY 148       | BY 172       | 142°    | 322°    | 1.4        | 1.4        |
| Bordada de Cucaracha        | BY 172       | BY 188       | 126°    | 306°    | 1.0        | 1          |
| Bordada de Paraíso          | BY 188       | BY 213       | 117°    | 297°    | 0.8        | 0.8        |
| Aproximación a Pedro Miguel | BY 213       | N de PM      | 132°    | 312°    | 0.1        |            |
| Esclusa de Pedro Miguel     |              |              | 132°    | 312°    | 0.7        |            |
| Bordada de Cartagena        | BY 188       | BY 221       | 131°    | 311°    |            | 1.4        |
| Bordada de Cocoli           | BY 221       | N de CL      | 142°    | 322°    |            | 1.6        |
| Esclusa de Cocoli           |              |              | 142°    | 322°    |            | 1.4        |
| Bordada de Victoria         | S de CL      | BY 21 A      | 142°    | 322°    |            | 1.1        |
| <b>TURNING BASIN</b>        | <b>BY 30</b> | <b>BY 28</b> |         |         | <b>0.3</b> | <b>0.3</b> |
| Lago de Miraflores          | S de PM      | N de MF      | 134°    | 314°    | 0.9        |            |
| Esclusa de Miraflores       |              |              | 134°    | 314°    | 0.9        |            |
| Aproximación a Miraflores   | S de MF      | BY 29        | 134°    | 314°    | 0.3        | 0.3        |
| Bordada de Balboa           | BY 29        | BY 19        | 160°    | 340°    | 2.4        | 2.4        |
| Entrada del Pacífico        | BY 19        | BY 1         | 142°    | 322°    | 4.6        | 4.6        |

*Variación Magnética 2 °04'O  
2000*

*Distancias en millas náuticas*

*Total:*

**45.1**

**49.1**

| ESCLUSAS     | RUMBO N/S |        | DISTANCIA |
|--------------|-----------|--------|-----------|
| Miraflores   | 315.5°    | 135.5° | 0.9       |
| Pedro Miguel | 311.5°    | 131.5° | 0.72      |
| Gatun        | 008°      | 188°   | 1.34      |
| Cocoli       | 322°      | 142°   | 1.1       |
| Agua Clara   | 351°      | 171°   | 1.4       |

## Depths and Drafts in the Port of Balboa

| DOCK | HEADING | BERTH | USABLE LENGTH        | DEPTH       | MAXIMUM WATER DRAFT | MAXIMUM LENGTH OF SHIP | REMARKS   |
|------|---------|-------|----------------------|-------------|---------------------|------------------------|---|
| 6    | 255°    | AB    | 226.21 m<br>(742')   | 10.00 m     | 9.69 m              | 182.88 m (600')        | F / M / L OIL / WATER / DRY &<br>LIQUID BULK / PASSENGER / CAR<br>CARRIER |
|      |         |       |                      | (32' 09")   | (32' 10")           |                        |   |
| 7    | 042°    | ABCD  | 320.12 m<br>(1,050') | AB: 10.10 m | AB: 9.80 m          | 259.14 m<br>(850')     | F / M / L OIL / WATER / DRY &<br>LIQUID BULK / PASSENGER / CAR<br>CARRIER |
|      |         |       |                      | (33' 02")   | (32' 02")           |                        |   |
|      |         |       |                      | C: 9.20 m   | C: 8.90 m           |                        |   |
|      |         |       |                      | (30' 02)    | (29' 02)            |                        |   |
|      |         |       |                      | D: 6.20 m   | D: 5.90 m           |                        |   |
|      |         |       |                      | (20' 04")   | (19' 04")           |                        |   |
| 8    | 042°    |       | 143.29 m<br>(470')   | 6.90 m      | 6.60 m              | 161.59 m (530')        | DRY DOCK EXCLUSIVE USE  |
|      |         |       |                      | (22' 07")   | (21' 07")           |                        |   |
| 13   |         |       | 48.10 m<br>(158')    | 8.10 m      | 7.80 m              | 67.07 m (220')         | REPAIRS   |
|      |         |       |                      | (26.57')    | -25.59              |                        |   |
| 14   | 042°    | AB    | 321.22 m<br>(1,054') | 12.90 m     | 12.60 m             | 290.85 m (954')        | CARGO CONTAINER   |
|      |         |       |                      | (42' 04")   | (41.04')            |                        |   |
| 15   | 042°    | AB    | 274.32 m<br>(900')   | A: 12.80 m  | A: 12.50 m          | 243.90 m<br>(800')     | CARGO CONTAINER   |
|      |         |       |                      | (42' 00")   | (41' 00")           |                        |   |
| 16   | 057°    |       | 335.37 m<br>(1,100') | 14.40 m     | 14.10 m             | 304.88 m<br>(1,000')   | CARGO CONTAINER   |
|      |         |       |                      | (47.24')    | (46.26')            |                        |   |
| 17   | 057°    |       | 335.37 m<br>(1,100') | 14.9 m      | 14.6 m              | 304.88 m<br>(1,000')   | CARGO CONTAINER   |
|      |         |       |                      | (48.88')    | (46.84')            |                        |   |
| 18   | 057°    |       | 335.37 m<br>(1,100') | 15.2 m      | 14.9 m              | 304.88 m<br>(1,000')   | CARGO CONTAINER   |
|      |         |       |                      | (52' 06")   | (48.88')            |                        |   |

## Ports of Cristobal and telfers draft limitations

| DOCK | HEADING | BERTH | USABLE LENGTH | DEPTH                 | MAXIMUM WATER DRAFT    | MAXIMUM LENGTH OF VESSEL | MAX DRAFT AT MAX LENGTH OF VESSEL | REMARKS                                  |
|------|---------|-------|---------------|-----------------------|------------------------|--------------------------|-----------------------------------|--|
| 6    | 055°    | AB    | 313.94 m      | 12.00 m<br>(39.4 ft.) | A: 11.50 m (37.7 ft.)  | 295.66 m<br>(970')       | 10.50 m                           | PASSENGERS / RO-RO CARGO                 |
|      |         |       | (1030')       |                       | B: 10.50 m (34.4 ft.)  |                          | (34.4 ft.)                        |  |
| 6    | 055°    | CD    | 313.94 m      | 12.50 m<br>(41.0 ft.) | A: 12.00 m (39.37 ft.) | 295.66 m<br>(970')       | 11.50 m                           | PASSENGERS                               |
|      |         |       | (1030')       |                       | B: 11.50 m (37.7 ft.)  |                          | (37.7 ft.)                        |  |
| 6    | 098°    | E     | 73.15 m       | 12.50 m<br>(41.0 ft.) | 10.00 m (33.0 ft.)     | 73.15 m<br>(240')        | 10.06 m                           | WATER                                    |
|      |         |       | (240')        |                       |                        |                          | (33.0 ft.)                        |  |
| 7    | 055°    | AB    | 297.78 m      | 11.00 m<br>(36.1 ft.) | A: 10.50 m (34.4 ft.)  | 304.80 m<br>(1000')      | 10.00 m                           | ALL TYPE OF CARGO                        |
|      |         |       | (977')        |                       | B: 10.00 m (32.8 ft)   |                          | (32.8 ft)                         |  |
| 7    | 055°    | CD    | 304.80 m      | 14.00 m (45'<br>11")  | 13.50 m (44.3 ft.)     | 295.66 m<br>(970')       | 13.50 m                           | ALL TYPE OF CARGO                        |
|      |         |       | (1000')       |                       |                        |                          | (44.3 ft.)                        |  |
| 7    | 098°    | E     | 73.15 m       | 12.50 m<br>(41.0 ft.) | 12.19 m (40.0 ft)      | 73.15 m<br>(240')        | 12.19 m                           | WATER                                    |
|      |         |       | (240')        |                       |                        |                          | (40.0 ft)                         |  |
| 8    | 055°    | AB    | 302.00 m      | 10.00 m<br>(32.8 ft.) | A: 9.50 m (31.1 ft.)   | 287.12 m<br>(942')       | 9.50 m                            | F / M / LOIL / WATER / ALL TYPE OF CARGO |
|      |         |       | (990')        |                       | B: 9.50 m (31.1 ft.)   |                          | (31.1 ft.)                        |  |
| 8    | 055°    | CD    | 307.84 m      | 11.00 m<br>(36.1 ft.) | C: 10.5 m (34.4 ft.)   | 295.66 m<br>(970')       | 10.5 m                            | WATER                                    |
|      |         |       | (1010')       |                       | D: 10.5 m (34.4 ft.)   |                          | (34.4 ft.)                        |  |
| 8    | 098°    | E     | 76.20 m       | 12.50 m<br>(41.0 ft.) | 12.20 m (40' 00")      | 76.20 m<br>(250')        | 12.20 m                           | WATER                                    |
|      |         |       | (250')        |                       |                        |                          | (40' 00")                         |  |

## Ports of Cristobal and telfers draft limitations

| DOCK         | HEADING | BERTH                        | USABLE LENGTH | DEPTH              | MAXIMUM WATER DRAFT  | MAXIMUM LENGTH OF VESSEL | MAX DRAFT AT MAX LENGTH OF VESSEL | REMARKS                                   |
|--------------|---------|------------------------------|---------------|--------------------|----------------------|--------------------------|-----------------------------------|---|
| 9            | 055°    | AB                           | 325.53 m      | 14.0 m (45.9 ft.)  | 13.5 m (44.3 ft.)    | 316 m (1036 ft.)         | 13.5 m                            | F / M / L OIL / WATER / ALL TYPE OF CARGO |
|              |         |                              | (1068')       |                    |                      |                          | (44.3 ft.)                        |   |
| 10           | 098°    |                              | 350 m         | 14.0 m (45.9 ft.)  | 13.5 m (44.3 ft.)    | 350 m (1148')            | 44.3 ft.                          | F / M / L OIL / WATER / ALL TYPE OF CARGO |
|              |         |                              | (1148')       |                    |                      |                          | (13.5 m)                          |   |
| 14           | 094°    |                              | 140.20 m      | 10.40 m (35.0 ft.) | 8.53 m (28.0 ft.)    | 152.40 m (500')          | 8.53 m                            | REPAIRS                                   |
|              |         |                              | (460')        |                    |                      |                          | (28.0 ft.)                        |   |
| 15           | 085°    |                              | 274.32 m      | 10.40 m (35.0 ft.) | 8.84 m (29.0 ft.)    | 213.36 m (700')          | 8.84 m                            | REPAIRS                                   |
|              |         |                              | (900')        |                    |                      |                          | (29.0 ft.)                        |   |
| 16           | 140°    | AB                           | 326.13 m      | 11.5 m (37.7 ft)   | A: 11.0 m (36.1 ft.) | 304.80 m (1000')         | 11.0 m                            | F / M / L OIL / WATER / DRY & LIQUID BULK |
|              |         |                              | (1070')       |                    | B: 11.0 m (36.1 ft.) |                          | (36.1 ft.)                        |   |
| 16           | 140°    | CD                           | 326.13 m      | 12.50 m (41.0 ft.) | C: 12.2 m (40.0 ft.) | 304.80 m (1000')         | 11.6 m                            | F / M / L OIL / WATER / DRY & LIQUID BULK |
|              |         |                              | (1070')       |                    | D: 11.6 m (38.0 ft.) |                          | (38.0 ft.)                        |   |
| 16           | 049°    | E                            | 139.60 m      | 12.50 m (41.0 ft.) | 12.2 m (40.0 ft.)    | 91.44 m (300')           | 12.2 m                            | F / M / L OIL / WATER                     |
|              |         |                              | (458')        |                    |                      |                          | (40.0 ft.)                        |   |
| Telfers East | 049°    | A                            | 270 m         | 12.50 m (41.0 ft.) | 12.00 m. (39.4 ft)   | 300.0 m (984')           | 11.90 m                           | FUEL TRANSFER                             |
|              |         | B                            | (885.8')      |                    |                      |                          | (39' 01")                         |   |
| Telfers West | 049°    | C                            | 270 m         | 11.80 m (38'08")   | 11.30 m. (37.0 ft)   | 300.0 m (984')           | 11.80 m                           | FUEL TRANSFER                             |
|              |         | D                            | (885.8')      |                    |                      |                          | (38'08")                          |   |
| 18           | ---     | AES COSTA NORTE LNG TERMINAL | 365.85 m      | 14.5 m (47.56 ft.) | 14 m. (45.92 ft.)    | 304.87 m (1000 ft.)      | 14 m                              | LNG FUEL TRANSFER                         |
|              |         |                              | (1200')       |                    |                      |                          | (45.92 ft.)                       |   |

## Rodman Piers draft limitations

| Area No. | TRUE Heading | Berth              | Pier Length       |      |               |       | Depth MLWS |         | Max. SW Draft MLWS |         | Maximum Length of Ship at Maximum Draft |                  | Height Above Low Water (MLWS) |         |
|----------|--------------|--------------------|-------------------|------|---------------|-------|------------|---------|--------------------|---------|---|------------------|-------------------------------|---------|
|          |              |                    | Total Pier Length |      | Usable Length |       | Meters     | Feet    | Meters             | Feet    | Meters                                  | Feet             | Meters                        | Feet    |
|          |              |                    | Meters            | Feet | Meters        | Feet  |            |         |                    |         |   |                  |                               |         |
| 1        |              | Approach to Pier 1 |                   |      |               |       | 12.6       | 41'-04" | 11.9               | 39'-04" |   |                  |                               |         |
| 2        | 232°         | Pier 1 - North C&D | 215               | 704  | 169           | 554.4 | 12.6       | 41'-04" | 12.3               | 40'-04" | 169 <sup>1</sup>                        | 554 <sup>1</sup> | 7.72                          | 25'-04" |
| 3        | 232°         | Pier 1 - South A&B | 215               | 704  | 184           | 604   | 12.5       | 41'-00" | 12.19              | 40'-00" | 184 <sup>1</sup>                        | 604 <sup>1</sup> | 7.72                          | 25'-04" |
| 4-5      | 232°         | Approach to Pier 2 |                   |      |               |       | 12.6       | 41'-04" | 11.99              | 39'-04" |   |                  |                               |         |
| 6        | 232°         | Pier 2 - North C&D | 215               | 704  | 192           | 630   | 10.8       | 35'-05" | 11.78              | 34'-05" | 192 <sup>1</sup>                        | 630 <sup>1</sup> | 7.72                          | 25'-04" |
| 7        | 232°         | Pier 2 - South A&B | 215               | 704  | 192           | 630   | 9.2        | 30'-02" | 8.9                | 29'-02" | 168 <sup>1</sup>                        | 550 <sup>1</sup> | 7.72                          | 25'-04" |

**NOTES:** (1) Vessels with deeper drafts, during negative tides or exceeding the usable length of the pier must be previously approved by the CPC office. (Based on Hydrographic Chart dated September 26, 2018, provided by PetroAmérica, S.A. (PATSA))

## PSA Terminal draft limitations

| Berth | Dock Length       |        |               |      | Depth MLWS |         | Max. SW Draft MLWS |         | Maximum Length of Ship at Maximum Draft |                   | Beam Limitations | Remarks       |
|-------|-------------------|--------|---------------|------|------------|---------|--------------------|---------|---|-------------------|------------------|---------------|
|       | Total Pier Length |        | Usable Length |      | Meters     | Feet    | Meters             | Feet    | Meters                                  | Feet              |                  |               |
|       | Meters            | Feet   | Meters        | Feet |            |         |                    |         |   |                   |                  |               |
| 1     | 332.24            | 1090   | 317           | 1040 | 14.5       | 47'-06" | 14.15              | 46'-06" | 317                                     | 1040              | none             | Containers    |
| 1 E   | 52.45             | 172.1  | 37.19         | 122  | 14.5       | 47'-06" | 14.15              | 46'-06" | 37.19                                   | 122               | none             | Small Vessels |
| 2 N   | 378.16            | 1240.7 | 366.73        | 1203 | 15.7       | 51'-06" | 15.39              | 50'-06" | 733.35 <sup>1</sup>                     | 2406 <sup>1</sup> | none             | Containers    |
| 2 S   | 378.16            | 1240.7 | 366.73        | 1203 | 15.7       | 51'-06" | 15.39              | 50'-06" | 733.35 <sup>1</sup>                     | 2406 <sup>1</sup> | none             | Containers    |

**NOTE:** (1) Max combined length at Berth for 2 vessels is 733 m (2406') / Max combined length at Berth 2 for 3 vessels is 710.6 m (2331') (Table information provided by PSA on September 29, 2017.)

## Communications - Standard orders to tug masters - Neopanamax Locks

| TUGS ID WHILE ASSISTING VESSELS AT NEOPANAMAX LOCKS            |               |                       |  |
|--|---------------|-----------------------|--|
| Tug location   | Alternative 1 | Alternative 2         | Alternative 3                                |
| “On the hawser”  | Alpha tug     | Tug’s name            | Hawser tug                                   |
| Vessel’s Port or Starboard bow                                 | Bravo Tug     | Tug’s name            | Port/Starboard Bow Tug                       |
| Vessel’s Port or Starboard Quarter                             | Charlie Tug   | Tug’s name            | Port/Starboard Quarter Tug                   |
| Vessel’s Stern “Cut-Style” or two lines through the same chock | Delta Tug     | Tug’s name            | Cut Style Tug                                |
| Depending on the pilot’s need                                  | Echo Tug      | Tug’s name            | According to location requested by the pilot |
| Depending on the pilot’s need                                  | Foxtrot Tug   | Tug’s name            | According to location requested by the pilot |
| ORDERS TO TUG ALPHA  |               |                       |  |
| ORDER  | DIRECTION     | ALTERNATIVE DIRECTION | FORCES                                       |
| Tow / Pull   | 9 O’CLOCK     | Bow to port           | Full / Half / Slow / Stop                    |
|  | 10 O’CLOCK    |                       |  |
|  | 11 O’CLOCK    |                       |  |
|  | 12 O’CLOCK    | Straight ahead        | Just stay ahead / Slacklines                 |
|  | 1 O’CLOCK     | Bow to starboard      | Full / Half / Slow / Stop                    |
|  | 2 O’CLOCK     |                       |  |
|  | 3 O’CLOCK     |                       |  |

## Communications - Standard orders to tug masters - Neopanamax Locks

| ORDERS TO TUG BRAVO & CHARLIE                                 |                                  |                           |
|---|----------------------------------|---------------------------|
| ORDER   | EXPANDED ORDERS                  | FORCES                    |
| Push  | One whistle, push                | Full / Half / Slow / Stop |
| Back (at 45° / 90° / Alongside)                               | Two whistles, back               |                           |
| ORDERS TO TUG DELTA   |                                  |                           |
| ORDER   | EXPANDED ORDERS                  | FORCES                    |
| Push Stern to Port / Starboard                                | Push, two whistles / one whistle | Full / Half / Slow / Stop |
| Back Stern to Port / Starboard                                | Back, two whistles / one whistle |                           |
| Straight back   | Three whistles straight back     |                           |
| Push straight ahead in line with the keel                     |                                  |                           |
| ORDERS TO TUG ECHO  |                                  |                           |
| ORDER / DIRECTIONS / ALTERNATIVE DIRECTIONS / EXPANDER ORDERS |                                  | FORCES                    |
| According to location requested by the pilot                  |                                  | Full / Half / Slow / Stop |

# TIPOS DE REMOLCADORES



**Voith**  
 GUARDIA  
 CACIQUE  
 HAYNES  
 GUÍA  
 LIDER  
 UNIDAD  
 MCAULIFFE



**Houma  
 Fabricators**



**ASD**  
 COCLÉ  
 COLÓN  
 HERRERA  
 LOS SANTOS



**Z-Tech 6000**  
 BOCAS DEL TORO  
 VERAGUAS  
 DARIÉN  
 CHIRIQUÍ  
 PANAMÁ XIV  
 RIO INDIÓ  
 RIO BAYANO  
 RIO TUIRA



**Z-Tech 6500**  
 BELÉN  
 CALOVÉBORA  
 CHANGUINOLA  
 SIXAOLA  
 PACORA  
 SAJALICES  
 ESTI  
 DOLEGA  
 FARFÁN  
 PEQUENÍ  
 PARITA  
 TONOSÍ  
 TERIBE



**Tractor Azimutal**  
 CERRO ITAMUT  
 CERRO PICACHO  
 CERRO SANTIAGO  
 CERRO PANDO  
 CERRO JEFE  
 CERRO AZUL  
 CERRO CANAJAGUA  
 CERRO MAJAGUAL  
 CERRO CAMPANA  
 CERRO LA VIEJA  
 CERRO TIGRE  
 CERRO PUNTA  
 CERRO GRANDE  
 CERRO ANCÓN



**ARMON**

# ESPECIFICACIONES DE LOS REMOLCADORES

| TIPOS DE REMOLCADOR |                           | ASTILLERO                | NUDOS | MOTOR PRINCIPAL  | PROPULSIÓN           | HP     | ESLORA     | MANGA      | PUNTA DEL TRAZADO | CAPACIDAD DE TIRO (aprox.) | CALADO    |            | TONELAJE |     | CAPACIDAD (LITROS) |             |        |        |                        |                   |                 |
|---------------------|---------------------------|--------------------------|-------|------------------|----------------------|--------|------------|------------|-------------------|----------------------------|-----------|------------|----------|-----|--------------------|-------------|--------|--------|------------------------|-------------------|-----------------|
|                     |                           |                          |       |                  |                      |        |            |            |                   |                            | PROA      | POPA       | GRT      | NRT | AGUA               | COMBUSTIBLE | ESPUMA | LASTRE | ACEITE MOTOR           | ACEITE HIDRÁULICO | ACEITE REDUCTOR |
| VOITH               | CACIQUE, GUARDIA Y LAMINA | Houma Fabricators        | 12    | EMD-645-E6       | 2 V. S. CYCL         | 2X1500 | 28.95 mts. | 10.36 mts. | 3.58 mts.         | 32 tn.                     | 5.18 mts. | 5.18 mts.  | 253      | -   | 11,750             | 109,428     | 4,694  | 57,689 | 4,485                  | 1,938             | 2,547           |
| VOITH               | GUÍA Y LIDER              | Houma Fabricators        | 12    | EMD-645-E6       | 2 V. S. CYCL         | 2X1500 | 29.08 mts. | 10.36 mts. | 3.53 mts.         | 31 tn.                     | 5.18 mts. | 5.18 mts.  | 253      | -   | 26,558             | 103,818     | 4,728  | 52,878 | GU: 4,039<br>LI: 7,408 | 1,907             | 2,460           |
| VOITH               | UNIDAD Y MCAULIFFE        | Houma Fabricators        | 12    | EMD-645-E6       | 2 V. S. CYCL         | 2X1500 | 29.08 mts. | 10.36 mts. | 3.58 mts.         | 31 tn.                     | 5.18 mts. | 5.18 mts.  | 253      | -   | 22,924             | 108,323     | 4,728  | 56,637 | 4,451                  | 1,752             | 2,460           |
| ASD                 |                           | Irving Shipbuilding Inc. | 13    | Deutz SBV-8M-628 | 2 SCHOTTEL           | 2x2200 | 30.78 mts. | 11.15 mts. | 4.77 mts.         | 54 tn.                     | 4.95 mts. | 4.95 mts.  | 382      | -   | 11,397             | 145,594     | 18,495 | 98,814 | 8,153                  | -                 | 9,429           |
| Z-TECH 6000         |                           | Chey Lee & Hin Lee Ltd   | 12    | Wartsila 9L20    | LCT FS 250-S/BN-K    | 2X2414 | 27.38 mts. | 11.65 mts. | 5 mts.            | 61 tn                      | 5.33 mts. | 5.33 mts.. | 327      | 97  | 12,272             | 110,696     | 6,957  | 93,613 | 5,962                  | 321               | -               |
| Z-TECH 6500         |                           | Chey Lee & Hin Lee Ltd   | 12    | GE 12V228        | SRP 1515 FP SCHOTTEL | 2X2923 | 27.38 mts. | 12.19 mts. | 5.05 mts.         | 65 tn.                     | 5.56 mts. | 5.56 mts.  | 359      | -   | 11,999             | 115,701     | 6,999  | 79,997 | 3,001                  | 302               | 1,801           |
| TRACTOR AZIMUTAL    |                           | Astilleros Armon S. A.   | 12    | GE 8L250         | SRP 2020 FP SCHOTTEL | 2X3125 | 28.90 mts. | 13.48 mts. | 5.15 mts.         | 82 tn.                     | 6.17 mts. | 6.17 mts.  | 484      | 148 | 16,599             | 122,598     | 7,998  | 48,801 | 6,798                  | 2,100             | 2,100           |

# Tabla de Mareas 2026

Vicepresidencia de Administración  
del Recurso Hídrico

Division de Hidrometeorología  
*Sección de Hidrología*





**CANAL DE PANAMÁ**