

Anexo 4.3

**TABLA DE MAREAS DE LA AUTORIDAD DEL CANAL DE PANAMÁ
PARA EL MAR CARIBE PARA LOS MESES OCTUBRE, NOVIEMBRE
Y DICIEMBRE DE 2017**

Cristóbal, Mar Caribe año 2017
Horas y Niveles de Mareas Altas y Bajas

Octubre					Noviembre					Diciembre				
Hora	Nivel	Hora	Nivel	Hora	Nivel	Hora	Nivel	Hora	Nivel	Hora	Nivel	Hora	Nivel	
1	h m pies cm	16	h m pies cm	1	h m pies cm	16	h m pies cm	1	h m pies cm	16	h m pies cm	1	h m pies cm	
Dom	920 0.5 15	Lun	1002 0.8 24	Mié	1001 0.9 27	Jue	1111 1.1 34	Vie	1800 0.1 9	Sáb	1800 0.1 9	Sáb	1800 0.1 9	
2	352 0.1 3	17	414 0.1 3	2	329 0.1 3	17	28 0.4 12	2	302 0.1 3	17	1154 1.2 37	2	1058 1.4 43	
Lun	957 0.6 18	Mar	1051 0.9 27	Jue	1042 1.0 30	Vie	400 0.3 9	Sáb	1058 1.4 43	Dom	2049 -0.1 -3	17	1904 -0.1 -3	
3	1454 0.3 9	18	1709 0.2 6	3	1756 0.2 6	18	1152 1.1 34	3	6 0.2 6	18	1230 1.2 37	3	342 0.1 3	
2040 0.9 27	2145 0.8 24	18	2252 0.7 21	3	2253 0.5 15	18	2009 0.0 0	3	1148 1.4 43	18	2131 -0.2 -6	3	2001 -0.2 -6	
4	424 0.1 3	18	453 0.2 6	3	359 0.2 6	18	1232 1.2 37	3	1148 1.4 43	18	1230 1.2 37	3	1148 1.4 43	
Mar	1038 0.6 18	Mié	1140 0.9 27	Vie	1128 1.2 37	Sáb	2104 -0.1 -3	Dom	1148 1.4 43	18	2131 -0.2 -6	18	2131 -0.2 -6	
1603 0.3 9	1834 0.2 6	19	1834 0.2 6	4	1911 0.1 3	19	1310 1.1 34	3	2001 -0.2 -6	18	2131 -0.2 -6	18	2131 -0.2 -6	
2216 0.8 24	2145 0.8 24	19	1954 0.1 3	4	25 0.4 12	19	2149 -0.1 -3	4	146 0.2 6	19	1306 1.1 34	19	1306 1.1 34	
4	455 0.2 6	19	530 0.3 9	4	436 0.2 6	19	1310 1.1 34	4	434 0.1 3	19	2205 -0.2 -6	19	2205 -0.2 -6	
Mié	1122 0.7 21	Jue	1229 1.0 30	Sáb	1218 1.3 40	Dom	2017 0.0 0	Lun	1242 1.5 46	Mar	2205 -0.2 -6	Mar	2205 -0.2 -6	
1726 0.3 9	1954 0.1 3	5	149 0.5 15	5	202 0.3 9	20	1348 1.1 34	5	2053 -0.3 -9	20	1343 1.1 34	20	1343 1.1 34	
2318 0.7 21	1954 0.1 3	5	607 0.3 9	5	524 0.2 6	20	2226 -0.1 -3	5	310 0.3 9	20	2234 -0.2 -6	20	2234 -0.2 -6	
5	527 0.2 6	20	1315 1.0 30	5	1310 1.3 40	20	2226 -0.1 -3	5	544 0.2 6	20	2234 -0.2 -6	20	2234 -0.2 -6	
Jue	1209 0.8 24	Vie	2102 0.0 0	5	2113 -0.2 -6	20	2226 -0.1 -3	Mar	1337 1.5 46	Mié	2234 -0.2 -6	Mié	2234 -0.2 -6	
1854 0.2 6	2102 0.0 0	21	327 0.5 15	6	324 0.4 12	21	1426 1.1 34	6	2141 -0.4 -12	21	1420 1.0 30	21	1420 1.0 30	
6	34 0.6 18	21	643 0.4 12	6	627 0.3 9	21	2258 -0.2 -6	6	413 0.4 12	21	2258 -0.2 -6	21	2258 -0.2 -6	
Vie	603 0.2 6	Sáb	1359 1.0 30	Lun	1405 1.4 43	21	2258 -0.2 -6	Mié	710 0.3 9	21	2258 -0.2 -6	21	2258 -0.2 -6	
1259 0.9 27	2157 0.0 0	21	2157 0.0 0	Lun	2203 -0.3 -9	22	1503 1.1 34	6	1433 1.4 -43	21	2258 -0.2 -6	21	2258 -0.2 -6	
2015 0.1 3	2157 0.0 0	22	450 0.5 15	7	427 0.4 12	22	2326 -0.2 -6	6	2226 -0.4 -12	22	1459 1.0 30	22	1459 1.0 30	
7	157 0.5 15	22	723 0.4 12	7	740 0.3 9	22	2326 -0.2 -6	7	504 0.5 15	22	2318 -0.2 -6	22	2318 -0.2 -6	
Sáb	644 0.3 9	Dom	1440 1.1 34	Mar	1459 1.4 43	22	2326 -0.2 -6	Jue	839 0.3 9	22	2318 -0.2 -6	22	2318 -0.2 -6	
1350 1.1 34	2241 -0.1 -3	22	1440 1.1 34	Mar	2249 -0.3 -9	22	2326 -0.2 -6	7	1529 1.4 43	22	2318 -0.2 -6	22	2318 -0.2 -6	
2122 0.0 0	2241 -0.1 -3	23	548 0.5 15	8	519 0.5 15	23	1541 1.1 34	7	2308 -0.4 -12	23	1538 0.9 27	23	1538 0.9 27	
8	315 0.5 15	23	808 0.4 12	8	856 0.3 9	23	2351 -0.2 -6	8	551 0.6 18	23	2335 -0.2 -6	23	2335 -0.2 -6	
Dom	733 0.3 9	Lun	1520 1.1 34	Mié	1553 1.4 43	23	2351 -0.2 -6	Vie	1004 0.4 12	23	2335 -0.2 -6	23	2335 -0.2 -6	
1442 1.2 37	2319 -0.1 -3	23	2319 -0.1 -3	Mié	2334 -0.4 -12	23	2351 -0.2 -6	8	1624 1.2 37	23	2335 -0.2 -6	23	2335 -0.2 -6	
2219 -0.1 -3	2319 -0.1 -3	23	2319 -0.1 -3	Mié	2334 -0.4 -12	23	2351 -0.2 -6	8	2349 -0.4 -12	23	2335 -0.2 -6	23	2335 -0.2 -6	

9	421 0.5 15	24	625 0.5 15	9	605 0.6 18	24	1618 1.0 30	9	635 0.8 24	24	657 0.6 18
Lun	828 0.3 9	Mar	856 0.4 12	Jue	1009 0.3 9	Vie	1647 1.3 40	Sáb	1126 0.4 12	Dom	1039 0.5 15
1533 1.3 40	2353 -0.1 -3	24	1558 1.1 34	10	16 -0.3 -9	24	1618 1.0 30	11	1719 1.1 34	24	1620 0.8 24
2310 -0.2 -6	2353 -0.1 -3	25	652 0.5 15	10	650 0.7 21	25	14 -0.1 -3	10	27 -0.3 -9	24	2352 -0.1 -3
10	516 0.5 15	25	943 0.4 12	Vie	1121 0.3 9	Sáb	729 0.6 18	10	718 0.9 27	25	704 0.7 21
Mar	925 0.3 9	Mié	1635 1.1 34	10	1740 1.2 37	25	1046 0.5 15	Dom	1245 0.3 9	Lun	1202 0.4 12
1624 1.3 40	1635 1.1 34	26	23 -0.1 -3	11	57 -0.3 -9	25	1657 1.0 30	11	1814 0.9 27	25	1703 0.7 21
2357 -0.2 -6	1635 1.1 34	26	715 0.5 15	11	734 0.8 24	26	35 -0.1 -3	11	103 -0.3 -9	25	9 -0.1 -3
11	606 0.5 15	26	1031 0.4 12	Sáb	1233 0.3 9	26	740 0.7 21	11	801 1.0 30	26	722 0.9 27
Mié	1024 0.2 6	Jue	1711 1.1 34	11	1834 1.1 34	26	1157 0.5 15	Lun	1402 0.3 9	26	1317 0.4 12
1715 1.4 43	1711 1.1 34	27	53 -0.1 -3	12	136 -0.2 -6	26	1736 0.9 27	11	1911 0.7 21	26	1751 0.6 18
12	42 -0.3 -9	27	737 0.6 18	12	818 0.9 27	27	56 -0.1 -3	11	722 0.9 27	26	9 -0.1 -3
Jue	653 0.6 18	Vie	1118 0.5 15	Dom	1348 0.3 9	27	758 0.8 24	12	842 1.1 34	26	749 1.0 30
1123 0.2 6	1748 1.0 30	28	120 -0.1 -3	12	1928 0.9 27	27	1307 0.5 15	Mar	1519 0.2 6	Mié	1427 0.3 9
1807 1.3 40	1748 1.0 30	28	759 0.6 18	13	213 -0.1 -3	27	1819 0.8 24	12	2010 0.5 15	26	1844 0.5 15
13	127 -0.2 -6	28	1209 0.4 12	13	902 1.0 30	28	116 -0.1 -3	12	136 -0.2 -6	27	29 -0.1 -3
Vie	739 0.6 18	Sáb	1826 1.0 30	Lun	1502 0.3 9	28	823 0.9 27	12	842 1.1 34	27	749 1.0 30
1224 0.2 6	1826 1.0 30	29	147 0.0 0	14	247 0.0 0	Mar	1420 0.4 12	12	1519 0.2 6	Mié	1427 0.3 9
1858 1.3 40	1826 1.0 30	29	824 0.7 21	14	946 1.0 30	28	1906 0.7 21	13	205 -0.1 -3	27	822 1.2 37
14	210 -0.2 -6	29	1304 0.4 12	Mar	1622 0.2 6	28	823 0.9 27	13	922 1.2 37	27	822 1.2 37
Sáb	825 0.7 21	Dom	1906 0.9 27	14	2129 0.6 18	28	1420 0.4 12	13	1635 0.1 3	27	1534 0.1 3
1327 0.2 6	1906 0.9 27	30	212 0.0 0	15	318 0.1 3	28	1906 0.7 21	13	2116 0.4 12	27	1943 0.3 9
1951 1.1 34	1906 0.9 27	30	852 0.7 21	15	1029 1.1 34	29	138 0.0 0	13	922 1.2 37	28	53 -0.1 -3
15	913 0.8 24	Lun	1407 0.4 12	Mié	1743 0.2 6	29	853 1.0 30	13	1635 0.1 3	28	822 1.2 37
Dom	1434 0.2 6	30	1949 0.8 24	Mié	2246 0.4 12	29	1534 0.3 9	13	2116 0.4 12	28	822 1.2 37
2045 1.0 30	1949 0.8 24	31	237 0.1 3	30	202 0.0 0	29	2001 0.5 15	13	2116 0.4 12	28	1534 0.1 3
31	924 0.8 24	Mar	1517 0.4 12	30	930 1.2 37	30	202 0.0 0	14	229 0.0 0	28	1943 0.3 9
2038 0.7 21	1517 0.4 12	31	2038 0.7 21	30	1649 0.2 6	30	930 1.2 37	14	1002 1.2 37	28	822 1.2 37
2038 0.7 21	2038 0.7 21	31	2038 0.7 21	30	2107 0.4 12	30	202 0.0 0	14	2237 0.3 9	28	1943 0.3 9