

Cristobal, Caribbean Sea

Times and Heights of High and Low Waters - year 2020

Fuente: <ftp://tidepool.nos.noaa.gov/pub/outgoing/exchange/Cristobal.d>

January					February					March				
	Hour	Height		Hour	Height		Hour	Height		Hour	Height		Hour	Height
1 Wed 1137 1111 0.6 0.5 15 15 0.5 0.8 24 24 1137 1155 0.2 0.7 21 21 0.7 0.3 24 24	16 Thu 1155 1711 0.2 0.7 15 15 0.2 0.7 21 21 1711 2348 0.3 0.3 21 21 0.3 0.3 24 24	1 Sat 1351 1818 0.1 0.3 3 3 0.1 0.3 9 9 1818 2354 0.0 0.0 0 0	16 Sun 1420 1937 -0.2 0.3 -6 9 -0.2 0.3 9 9 1937 2302 -0.2 0.0 0 0	1 Sun 1320 1835 -0.1 0.2 -3 6 -0.1 0.2 6 6 1835 2302 -0.1 0.0 0 0	16 Mon 1353 1945 -0.4 0.3 -12 9 -0.4 0.3 9 9 1945 2204 -0.3 0.1 3 3									
	2 Thu 729 729 0.7 0.7 21 21 0.7 0.7 12 12 1255 1814 0.4 0.5 12 12 0.4 0.6 18 18	17 Fri 1318 1814 0.1 0.5 3 15 0.1 0.5 15 15 1734 1734 0.1 0.6 18 18	2 Sun 1444 1907 0.1 0.2 3 6 0.1 0.2 6 6 1907 2328 0.0 0.0 0 0	17 Mon 747 1519 -1.3 -0.3 40 -9 -1.3 -0.3 6 6 1519 2038 -1.3 -0.2 6 6	2 Mon 625 1403 1.0 -0.1 30 -3 1.0 -0.1 6 6 1403 2328 0.0 0.0 0 0	17 Tue 715 1444 1.2 -0.4 37 -12 0.0 -0.4 9 9 1444 2036 1.2 -0.3 9 9								
	3 Fri 749 749 0.8 0.8 24 24 0.8 0.8 9 9 1407 1433 0.3 0.0 9 9 1818 1919 0.5 0.4 15 12	18 Sat 733 1433 1.2 0.0 37 0 1.2 0.0 0 0 1433 1919 0.4 0.4 12 12	3 Mon 749 1536 1.0 0.0 30 0 1.0 0.0 0 0 1536 1956 0.1 0.1 3 3	18 Tue 833 1617 1.3 -0.3 40 -9 1.3 -0.3 9 9 1617 2138 0.2 0.2 6 6	3 Tue 700 1445 1.0 -0.2 30 -6 1.0 -0.2 6 6 1445 2359 0.0 0.0 0 0	18 Wed 59 802 0.0 1.1 0 34 0.0 1.1 0 9 802 2125 0.0 0.3 0 9								
	4 Sat 812 812 0.9 0.9 27 27 0.9 0.9 6 6 1516 1542 0.2 -0.1 6 6 1907 2028 0.4 0.2 12 6	19 Sun 815 1542 1.3 -0.1 40 -3 1.3 -0.1 6 6 1542 2046 0.1 0.1 3 3	4 Tue 823 1627 1.1 -0.1 34 -3 1.1 -0.1 3 3 1627 2046 0.1 0.1 3 3	19 Wed 144 920 -0.1 1.2 37 -9 -0.1 1.2 9 9 920 1714 -0.3 -0.3 9 9	4 Wed 739 1527 1.1 -0.2 34 -6 1.1 -0.2 6 6 1527 2028 0.1 0.1 3 3	19 Thu 143 849 0.0 1.0 0 30 0.0 1.0 0 9 849 1623 0.0 -0.2 -6 9								
5 Sun 838 838 1.0 1.0 30 30 0.1 0.1 3 3 1621 1649 0.1 -0.2 6 6 2004 2141 0.2 0.1 6 6	20 Mon 122 859 -0.1 1.4 43 43 0 1.4 3 3 1649 2141 0.1 0.1 3 3	5 Wed 52 900 -0.1 1.2 37 37 0 1.2 0 0 1718 2141 -0.1 0.0 0 0	20 Thu 219 1007 0.0 1.1 34 34 0 1.1 0 0 1812 2353 -0.2 0.1 3 3	5 Thu 37 821 -0.1 1.1 34 34 0 1.1 0 0 1610 2112 -0.2 0.1 3 3	20 Fri 228 935 0.1 0.9 3 27 0.1 0.9 0 9 1711 2308 -0.2 0.3 9 9									
	6 Mon 907 907 1.1 1.1 34 34 0 1.4 0 0 1724 1753 0.0 -0.2 6 6 2110 2303 0.1 0.1 3 3	21 Tue 152 945 -0.1 1.4 43 43 0 1.4 3 3 1753 2303 -0.2 0.1 3 3	6 Thu 120 942 -0.1 1.2 37 37 0 1.2 -6 0 1807 2245 -0.2 0.0 0 0	21 Fri 251 1054 0.0 1.1 34 34 0 1.1 -6 -6 1908 2204 -0.2 0.1 3 3	6 Fri 123 906 -0.1 1.1 34 34 0 1.1 -6 -6 1653 2204 -0.2 0.1 3 3	21 Sat 318 1023 0.1 0.8 3 24 0.1 0.8 0 9 1756 1756 -0.1 -0.1 -3 -3								
	7 Tue 940 940 1.2 1.2 37 37 -0.1 -0.1 3 3 1822 1854 -0.1 -0.3 9 9 2233 2233 0 0 0 0	22 Wed 219 1031 0.0 1.3 40 40 0 1.3 -9 -9 1854 1854 -0.3 -0.3 9 9	7 Fri 157 1027 -0.1 1.3 40 40 0 1.3 -6 -6 1853 1959 -0.2 -0.2 6 6	22 Sat 117 323 0.1 0.0 3 3 0 0 0 0 1141 1959 0.9 -0.2 27 27	7 Sat 219 955 -0.1 1.1 34 34 0 1.1 -6 -6 1736 2304 -0.2 0.2 6 6	22 Sun 2 420 0.3 0.2 9 6 0.3 0.2 6 6 1113 1838 0.7 0.0 21 0								
	8 Wed 1017 1017 1.3 1.3 40 40 -0.2 -0.2 6 6 1914 1914 -0.2 -0.2 6 6	23 Thu 1118 1952 1.3 -0.3 40 40 -9 -9 1952 1952 -0.3 -0.3 9 9	8 Sat 0 245 0.0 -0.1 37 37 0 -0.1 -6 -6 1116 1935 1.2 -0.2 37 37	23 Sun 1230 2042 0.8 -0.1 24 24 -3 -3 2042 1935 -0.1 -0.2 -3 -3	8 Sun 329 1049 0.0 1.0 30 30 0 1.0 -6 -6 1818 1818 -0.2 -0.2 6 6	23 Mon 54 543 0.3 0.2 6 6 0.3 0.2 6 6 1211 1914 0.5 0.1 15 3								
9 Thu 2000 2000 -0.2 -0.2 40 40 -6 -6 -9 -9 ●	24 Fri 1206 2044 1.2 -0.3 37 37 -9 -9 ● ●	9 Sun 117 357 0.1 0.0 3 3 0 0 0 0 1209 2014 1.2 -0.3 37 37	24 Mon 342 547 0.3 0.2 9 6 0 0 0 0 1320 2115 0.7 -0.1 21 21	9 Mon 9 456 0.3 0.0 9 6 0 0 0 0 1150 1900 0.9 -0.2 27 27	24 Tue 139 722 0.4 0.2 12 6 0.4 0.2 12 6 1323 1942 0.4 0.1 12 3									
	10 Fri 1144 2039 1.3 -0.3 40 40 -9 -9 ●	25 Sat 1252 2128 1.1 -0.3 34 34 -9 -9 ● ●	10 Mon 222 538 0.2 0.1 6 3 0 0 0 0 1307 2050 1.0 -0.3 30 30	10 Tue 406 749 0.3 0.2 9 6 0 0 0 0 1415 2140 0.6 0.0 18 0	10 Tue 113 638 0.5 0.1 15 3 0.5 0.1 15 3 1258 1943 0.7 -0.1 21 21	25 Wed 215 854 0.5 0.1 15 3 0.5 0.1 15 3 1446 2004 0.4 0.2 12 6								
	11 Sat 1233 2114 1.3 -0.3 40 40 -9 -9 ●	26 Sun 1338 2204 1.0 -0.2 30 30 -6 -6 ● ●	11 Tue 315 732 0.4 0.2 12 6 0 0 0 0 1408 2126 0.9 -0.3 27 27	11 Wed 424 931 0.4 0.2 12 6 0 0 0 0 1512 2158 0.5 0.0 15 0	11 Wed 212 819 0.6 0.0 18 0 0 0 0 0 1414 2026 0.6 -0.1 18 -3	26 Thu 245 1002 0.6 0.0 18 0 0 0 0 0 1606 2021 0.3 0.2 9 6								
	12 Sun 1324 2146 1.3 -0.3 40 40 -9 -9 ●	27 Mon 1423 2231 0.9 -0.2 27 27 -6 -6 ● ●	12 Wed 402 919 0.6 0.2 18 6 0 0 0 0 1514 2202 0.8 -0.3 24 24	12 Thu 442 1048 0.5 0.2 15 6 0 0 0 0 1610 2213 0.4 0.0 12 0	12 Thu 307 947 0.8 -0.1 24 -3 0 0 0 0 1531 2111 0.5 -0.1 15 -3	27 Fri 314 1053 0.7 -0.1 21 -3 0 0 0 0 1712 2038 0.3 0.2 9 6								
13 Mon 1417 2217 1.2 -0.3 37 37 -9 -9 ●	28 Tue 559 841 0.4 0.3 12 9 -6 -6 ● ●	13 Thu 447 1051 0.8 0.1 24 3 -6 -6 ● ●	28 Fri 503 1147 0.6 0.1 18 3 -6 -6 ● ●	13 Fri 359 1101 1.0 0.1 30 9 -6 -6 ● ●	28 Sat 345 1135 0.7 -0.1 21 -3 0 0 0 0 1645 2156 0.4 -0.1 12 -3	28 Sat 345 1135 0.7 -0.1 21 -3 0 0 0 0 1800 2058 0.2 0.1 6 3								
	14 Tue 508 834 0.4 0.3 12 9 -6 -6 ●	29 Wed 604 1025 0.5 0.4 15 12 -3 -3 ● ●	14 Fri 532 1209 1.0 -0.1 30 -3 -3 -3 ● ●	14 Sat 526 1236 0.7 0.0 21 0 -3 -3 ● ●	14 Sat 450 1204 1.1 -0.3 34 -9 -9 -9 ● ●	29 Sun 418 1212 0.8 -0.2 24 -6 -6 -6 ● ●								
	15 Wed 538 1022 0.6 0.3 18 9 -9 -9 ●	30 Thu 617 1146 0.6 0.3 18 9 -6 -6 ● ●	15 Sat 616 1317 1.1 -0.2 34 -6 -6 -6 ● ●	15 Sun 539 1300 1.2 -0.4 37 -12 -12 -12 ● ●	30 Mon 454 1248 0.9 -0.3 27 -9 -9 -9 ● ●	31 Tue 532 1323 1.0 -0.3 30 -9 -9 -9 ● ●								
	16 Thu 1610 1610 0.9 0.9 27 27 -9 -9 ●	31 Fri 1253 1640 0.2 0.5 6 15 -6 -6 ● ●	16 Sat 1729 1834 0.4 0.4 12 12 -6 -6 ● ●	16 Sun 1850 2329 0.3 0.0 9 0 -9 -9 ● ●	31 Tue 1920 2248 0.2 0.1 6 3 -9 -9 ● ●	31 Tue 532 1323 1.0 -0.3 30 -9 -9 -9 ● ●								
 New Moon  First Quarter  Full Moon  Last Quarter														

compiled by: Canal de Panamá

Ayax Murillo Burgos

Cristobal, Caribbean Sea

Times and Heights of High and Low Waters - year 2020

Fuente: <ftp://tidepool.nos.noaa.gov/pub/outgoing/exchange/Cristobal.d>

April				May				June			
	Hour	Height			Hour	Height			Hour	Height	
	h m	ft	cm		h m	ft	cm		h m	ft	cm
Wed	613	1.1	34	16	51	0.1	3	1	616	1.0	30
	1357	-0.3	-9	Thu	724	1.0	30	16	153	0.3	9
	1945	0.2	6	Fri	1446	-0.3	-9	Sat	724	0.7	21
	2337	0.0	0		2109	0.4	12		1423	-0.2	-6
Thu	655	1.1	34	17	145	0.1	3	2	43	0.2	6
	1432	-0.3	-9	Fri	809	0.8	24	17	306	0.2	6
	2018	0.2	6		1523	-0.2	-6	Sun	807	0.5	15
					2150	0.5	15		1444	-0.1	-3
Fri	32	0.0	0	18	245	0.2	6	3	202	0.1	3
	741	1.0	30	Sat	854	0.7	21	18	757	0.7	21
	1508	-0.3	-9		1557	-0.1	-3	Mon	1444	-0.3	-9
	2057	0.3	9		2231	0.5	15		2129	0.7	21
Sat	135	0.0	0	19	353	0.2	6	4	328	0.1	3
	829	1.0	30	Sun	942	0.5	15	19	856	0.6	18
	1544	-0.2	-6		1625	0.0	0	Tue	1517	-0.2	-6
	2144	0.4	12		2309	0.5	15		2216	0.9	27
Sun	248	0.0	0	20	516	0.2	6	5	459	0.0	0
	923	0.8	24	Mon	1040	0.4	12	20	1008	0.4	12
	1621	-0.2	-6		1647	0.1	3	Tue	1551	-0.1	-3
	2236	0.5	15		2345	0.6	18		2306	1.0	30
Mon	413	0.0	0	21	648	0.1	3	6	629	-0.1	-3
	1024	0.7	21	Tue	1203	0.3	9	21	1139	0.2	6
	1700	-0.1	-3		1700	0.1	3	Thu	1629	-0.1	-3
	2332	0.7	21						2358	1.1	34
Tue	548	0.0	0	22	19	0.7	21	7	748	-0.3	-9
	1138	0.5	15	Wed	812	0.0	0	22	1323	0.2	6
	1742	-0.1	-3		1412	0.2	6	Fri	1712	0.0	0
					1654	0.1	3				
Wed	30	0.8	24	23	53	0.7	21	8	52	1.2	37
	723	-0.1	-3	Thu	915	-0.1	-3	23	854	-0.4	-12
	1304	0.4	12					Sat	1505	0.2	6
	1828	0.0	0						1804	0.1	3
Thu	127	1.0	30	24	126	0.8	24	9	147	1.3	40
	846	-0.2	-6	Fri	1002	-0.2	-6	Sat	951	-0.5	-15
	1435	0.3	9						1627	0.2	6
	1919	0.0	0						1908	0.1	3
Fri	223	1.1	34	25	202	0.9	27	10	241	1.3	40
	955	-0.3	-9	Sat	1041	-0.3	-9	25	1041	-0.5	-15
	1558	0.3	9						1727	0.3	9
	2014	0.1	3						2020	0.2	6
Sat	317	1.2	37	26	241	0.9	27	11	333	1.2	37
	1055	-0.4	-12	Sun	1115	-0.3	-9	26	1127	-0.6	-18
	1708	0.3	9					Tue	1814	0.3	9
	2111	0.1	3						2130	0.2	6
Sun	410	1.2	37	27	321	1.0	30	12	424	1.2	37
	1147	-0.5	-15	Mon	1147	-0.4	-12	27	1210	-0.5	-15
	1806	0.3	9					Wed	1857	0.4	12
	2209	0.1	3						2237	0.2	6
Mon	501	1.2	37	28	403	1.0	30	13	512	1.1	34
	1236	-0.5	-15	Tue	1217	-0.4	-12	28	1249	-0.5	-15
	1857	0.4	12						1936	0.5	15
	2304	0.1	3						2342	0.3	9
Tue	550	1.1	34	29	446	1.1	34	14	558	1.0	30
	1322	-0.5	-15	Wed	1246	-0.4	-12	29	457	1.0	30
	1943	0.4	12		1922	0.3	9	Thu	1325	-0.4	-12
	2358	0.1	3		2218	0.2	6		2013	0.5	15
Wed	638	1.1	34	30	530	1.1	34	15	546	0.9	27
	1405	-0.4	-12	Thu	1315	-0.4	-12	Fri	641	0.8	24
	2027	0.4	12		1940	0.3	9		1356	-0.3	-9
					2330	0.2	6		2049	0.6	18
compiled by: Canal de Panamá											
Ayax Murillo Burgos											

New Moon



First Quarter



Full Moon



Last Quarter

Cristobal, Caribbean Sea

Times and Heights of High and Low Waters - year 2020

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July						August						September								
	Hour	Height		Hour	Height		Hour	Height		Hour	Height		Hour	Height		Hour	Height			
	h m	ft cm		h m	ft cm		h m	ft cm		h m	ft cm		h m	ft cm		h m	ft cm			
1 Wed	424	-0.1	-3	16	504	0.0	0	1	613	-0.3	-9	16	542	-0.1	-3	1	717	0.0	0	
	851	0.2	6	Thu	905	0.1	3	Sat	1136	0.1	3	Sun	1023	0.1	3	Tue	1327	0.4	12	
	1349	-0.2	-6	1309	0.0	0	1438	0.0	0	1342	0.0	0	Tue	1645	0.3	9	Wed	1134	0.5	15
	2136	1.4	43	2127	1.1	34	2252	1.3	40	2206	1.2	37		1633	0.2	6		2318	0.9	27
2 Thu	535	-0.2	-6	17	601	-0.1	-3	2	712	-0.3	-9	17	627	-0.1	-3	2	13	0.9	27	
	1015	0.1	3	Fri	1019	0.0	0	Sun	1309	0.1	3	Mon	1127	0.1	3	Wed	803	0.0	0	
	1419	-0.1	-3	1312	-0.1	-3	1510	0.0	0	1426	0.0	0	○	1429	0.4	12	Thu	1234	0.7	21
	2223	1.4	43	2202	1.2	37	2342	1.3	40	2252	1.2	37	○	1815	0.3	9		1813	0.2	6
3 Fri	640	-0.3	-9	18	656	-0.2	-6	3	806	-0.2	-6	18	709	-0.1	-3	3	110	0.8	24	
	1153	0.0	0	Sat	2241	1.2	37	Mon	1239	0.2	6	Tue	841	0.1	3	Fri	700	0.1	3	
	1447	-0.1	-3					○	1531	0.1	3	Thur	1513	0.5	15		1333	0.8	24	
	2312	1.4	43					2342	1.1	34		2000	0.4	12		1954	0.2	6		
4 Sat	739	-0.4	-12	19	744	-0.2	-6	4	32	1.1	34	19	746	-0.1	-3	4	212	0.7	21	
				Sun	2324	1.3	40	Tue	854	-0.2	-6	Wed	1344	0.3	9	Fri	911	0.1	3	
								○	1706	0.2	6		1546	0.6	18	Sat	1428	1.0	30	
													2133	0.3	9		2121	0.0	0	
5 Sun	2	1.4	43	20	825	-0.2	-6	5	122	1.0	30	20	38	1.0	30	5	316	0.6	18	
	834	-0.4	-12	Mon				Wed	935	-0.2	-6	Thu	821	-0.1	-3	Sat	935	0.2	6	
				○				1649	0.4	12	1438	0.5	15	○	1614	0.7	21			
								1853	0.3	9	1901	0.3	9		2244	0.2	6			
6 Mon	53	1.3	40	21	9	1.2	37	6	213	0.9	27	21	140	0.9	27	6	418	0.5	15	
	922	-0.4	-12	Tue	859	-0.3	-9	Thu	1007	-0.1	-3	Fri	854	-0.1	-3	Sun	954	0.2	6	
								1710	0.5	15	1526	0.6	18		1640	0.8	24			
								2049	0.4	12	2050	0.2	6		2338	0.2	6			
7 Tue	144	1.2	37	22	58	1.2	37	7	303	0.8	24	22	247	0.8	24	7	514	0.5	15	
	1005	-0.4	-12	Wed	928	-0.3	-9	Fri	1033	-0.1	-3	Sat	929	-0.1	-3	Mon	1012	0.2	6	
								1732	0.6	18	1612	0.8	24		1706	0.9	27			
								2224	0.4	12	2223	0.1	3							
8 Wed	233	1.1	34	23	150	1.1	34	8	354	0.7	21	23	357	0.7	21	8	24	0.1	3	
	1041	-0.4	-12	Thu	955	-0.3	-9	Sat	1055	0.0	0	Sun	1004	-0.1	-3	Tue	601	0.4	12	
	1805	0.4	12		1649	0.4	12		1753	0.7	21		1657	1.0	30	Wed	1056	0.2	6	
	2026	0.3	9		1952	0.3	9		2341	0.3	9		2341	0.0	0		1754	1.4	43	
9 Thu	319	1.0	30	24	244	1.0	30	9	444	0.6	18	24	505	0.5	15	9	105	0.0	0	
	1113	-0.3	-9	Fri	1022	-0.3	-9	Sun	1113	0.0	0	Mon	1042	-0.1	-3	Wed	629	0.5	15	
	1826	0.5	15		1712	0.6	18		1742	1.2	37		1742	1.0	30		1031	0.2	6	
	2206	0.4	12		2149	0.3	9						1807	1.1	34		1146	0.2	6	
10 Fri	404	0.8	24	25	342	0.8	24	10	43	0.2	6	25	47	-0.1	-3	10	144	0.0	0	
	1139	-0.3	-9	Sat	1050	-0.3	-9	Mon	535	0.5	15	Tue	610	0.5	15	Fri	812	0.5	15	
	1849	0.6	18		1744	0.8	24		1129	0.0	0		1121	0.0	0		1236	0.2	6	
	2333	0.4	12		2325	0.2	6		1839	0.9	27		1828	1.3	40		1933	1.3	40	
11 Sat	448	0.7	21	26	443	0.7	21	11	137	0.1	3	26	147	-0.2	-6	11	224	0.0	0	
	1200	-0.2	-6	Sun	1119	-0.2	-6	Tue	624	0.4	12	Wed	712	0.4	12	Fri	901	0.5	15	
	1912	0.7	21		1821	1.0	30		1146	0.0	0		1201	0.0	0		1326	0.2	6	
								1905	1.0	30		1915	1.4	43		2022	1.2	37		
12 Sun	50	0.3	9	27	47	0.1	3	12	227	0.1	3	27	244	-0.2	-6	12	304	0.0	0	
	533	0.6	18		546	0.5	15		1203	0.1	3		810	0.3	9		950	0.5	15	
	1219	-0.1	-3		1149	-0.2	-6		1935	1.1	34		1243	0.0	0		1419	0.2	6	
	1935	0.8	24		1901	1.2	37					2002	1.4	43		2110	1.1	34		
13 Mon	200	0.2	6	28	200	0.0	0	13	315	0.0	0	28	339	-0.2	-6	13	343	0.0	0	
	620	0.4	12	Tue	650	0.4	12	Thu	756	0.2	6	Fri	907	0.3	9	Sun	859	0.3	9	
	1235	-0.1	-3		1222	-0.2	-6		1222	0.0	0		1324	0.0	0		1308	0.1	3	
	1959	0.9	27		1944	1.3	40		2008	1.1	34		2051	1.4	43		2041	1.2	37	
14 Tue	304	0.2	6	29	307	-0.1	-3	14	404	0.0	0	29	435	-0.2	-6	14	423	0.0	0	
	709	0.3	9	Wed	756	0.3	9	Fri	841	0.2	6	Sat	1006	0.3	9	Mon	517	0.1	3	
	1249	-0.1	-3		1255	-0.1	-3		1244	0.0	0		1407	0.1	3		1131	0.6	18	
	2026	1.0	30		2028	1.4	43		2044	1.2	37		2139	1.3	40		1627	0.3	9	
15 Wed	405	0.1	3	30	410	-0.2	-6	15	453	-0.1	-3	30	530	-0.1	-3	15	502	0.0	0	
	804	0.2	6	Thu	904	0.2	6	Sat	928	0.1	3	Sun	1108	0.3	9	Tue	1036	0.4	12	
	1300	0.0	0		1330	-0.1	-3		1309	0.0	0		1451	0.1	3		1221	0.6	18	
	2055	1.1	34		2115	1.4	43		2123	1.2	37		2229	1.2	37		1752	0.3	9	
				31	512	-0.2	-6	Fri	1016	0.1	3	31	625	-0.1	-3	Mon	1216	0.3	9	
					1404	0.0	0		2203	1.4	43		1541	0.2	6		2320	1.1	34	
																558	0.2	6		
																1221	0.6	18		

compiled by: Canal de Panamá
Ayax Murillo Burgos

● New Moon

○ First Quarter

○ Full Moon

● Last Quarter

Cristobal, Caribbean Sea

Times and Heights of High and Low Waters - year 2020

Fuente: <ftp://tidepool.nos.noaa.gov/pub/outgoing/exchange/Cristobal.d>

October					November					December							
	Hour	Height		Hour	Height		Hour	Height		Hour	Height		Hour	Height			
	h m	ft	cm		h m	ft	cm		h m	ft	cm		h m	ft	cm		
Thu ○	1	633	0.2	6	16	457	0.1	3	1	1308	1.0	30	16	227	0.3	9	
	1306	0.7	21	Fri	1154	1.1	34	Sun	2154	0.0	0	Mon	513	0.2	6		
	1928	0.3	9	1858	0.1	3					1313	1.5	46	Tue	1256	1.2	37
Fri ●	2	118	0.6	18	17	28	0.5	15	2	1343	1.1	34	17	357	0.3	9	
	702	0.3	9	Sat	539	0.2	6	Mon	2231	-0.1	-3	Tue	616	0.2	6		
	1345	0.7	21	1249	1.2	37					1408	1.5	46	Wed	1336	1.2	37
Sat ●	2054	0.2	6	2021	0.0	0					2215	-0.4	-12	Thu	2241	-0.2	-6
	253	0.5	15	18	204	0.5	15	3	1421	1.1	34	18	501	0.4	12		
	726	0.4	12	Sun	628	0.2	6	Tue	2304	-0.1	-3	Wed	733	0.3	9		
Sun ●	1419	0.8	24	1345	1.3	40					1502	1.5	46	Thu	1417	1.2	37
	2157	0.2	6	2130	-0.2	-6					2302	-0.4	-12	Fri	2308	-0.2	-6
	422	0.5	15	19	333	0.4	12	4	1500	1.2	37	19	550	0.5	15		
Mon ●	745	0.4	12	Mon	724	0.3	9	Wed	2335	-0.2	-6	Thu	852	0.4	12		
	1451	0.9	27	1440	1.4	43					1555	1.4	43	Fri	2332	-0.3	-9
	2245	0.1	3	2228	-0.3	-9					2345	-0.4	-12	Sat	622	0.6	18
Tue ●	534	0.5	15	20	446	0.5	15	5	1540	1.2	37	20	634	0.6	18		
	804	0.4	12	Tue	826	0.3	9	Thu	1007	0.4	12	Sat	1007	0.4	12		
	1524	1.0	30	1535	1.4	43					1646	1.3	40	Sun	1115	0.4	12
Wed ●	2324	0.0	0	2321	-0.3	-9							Mon	1703	1.0	30	
	622	0.5	15	21	545	0.5	15	6	1621	1.2	37	21	26	-0.3	-9		
	829	0.4	12	Wed	929	0.3	9	Fri	1621	-0.2	-6	Sat	710	0.5	15		
Thu ●	1557	1.0	30	1628	1.4	43					1715	1.2	37	Mon	730	0.8	24
	2359	0.0	0										●	1236	0.4	12	
	651	0.4	12	22	9	-0.4	-12	7	30	-0.2	-6	22	14	-0.2	-6		
Fri ●	902	0.3	9	Thu	636	0.5	15	Sat	732	0.5	15	Mon	52	-0.2	-6		
	1633	1.1	34	1031	0.3	9					1219	0.4	12	Tue	801	0.9	27
				1720	1.4	43					1822	1.0	30		1353	0.4	12
Sat ●	33	-0.1	-3	23	55	-0.3	-9	8	55	-0.2	-6	23	36	-0.2	-6		
	709	0.4	12	Fri	722	0.6	18	Sun	736	0.5	15	Mon	1119	0.5	15		
	943	0.3	9	1132	0.3	9					1715	1.0	30	Wed	1509	0.3	9
Mon ●	1710	1.2	37	●	1810	1.3	40	●	1747	1.1	34		1249	0.4	12		
	106	-0.1	-3	24	138	-0.3	-9	9	120	-0.1	-3	24	100	-0.2	-6		
	725	0.4	12	Sat	807	0.6	18	Mon	757	0.6	18	Wed	807	1.0	30		
Tue ●	1028	0.3	9	Sat	1231	0.3	9	Mon	1220	0.4	12	Thu	1416	0.3	9		
	1750	1.2	37	1859	1.2	37					1833	1.0	30	Fri	1901	0.6	18
	138	-0.1	-3	25	219	-0.2	-6	10	146	-0.1	-3	10	125	-0.2	-6		
Sat ●	744	0.4	12	Sun	850	0.7	21	Tue	827	0.8	24	Fri	844	1.2	37		
	1118	0.3	9	1332	0.4	12					1622	0.3	9	Mon	1733	0.1	3
	1831	1.2	37	1946	1.1	34					2047	0.5	15	Thu	2128	0.2	6
Sun ●	209	-0.1	-3	26	257	-0.1	-3	11	213	-0.1	-3	26	242	0.1	3		
	810	0.5	15	Mon	932	0.7	21	Wed	905	0.9	27	Thu	1011	1.0	30		
	1213	0.3	9	1438	0.4	12					1747	0.2	6	Fri	959	1.1	34
Mon ●	1914	1.2	37	2034	0.9	27					2157	0.4	12	Sat	1837	0.0	0
	240	-0.1	-3	27	330	0.0	0	12	241	0.0	0	12	223	-0.1	-3		
	842	0.5	15	Tue	1013	0.8	24	Thu	948	1.1	34	Sat	1013	1.5	46		
Tue ●	1315	0.3	9	1552	0.4	12					1905	0.1	3	Sun	1030	1.2	37
	2000	1.1	34	2125	0.7	21					2353	0.3	9	●	1933	-0.1	-3
	312	0.0	0	28	358	0.1	3	13	312	0.0	0	13	224	0.2	6		
Tue ●	923	0.6	18	Wed	1051	0.8	24	Fri	1035	1.3	40	Sat	1113	1.1	34		
	1427	0.3	9	1718	0.3	9					2007	0.0	0	Mon	1102	1.5	46
	2051	1.0	30	2226	0.6	18					1920	-0.2	-6	Thu	2022	-0.2	-6
Wed ●	345	0.0	0	29	419	0.2	6	14	346	0.1	3	29	1145	1.1	34		
	1009	0.8	24	Thu	1128	0.9	27	Sat	1125	1.4	43	Sun	2055	-0.1	-3		
	1551	0.3	9	1849	0.3	9					2026	-0.1	-3	Mon	1154	1.6	49
Thu ●	2149	0.8	24	2354	0.4	12					2026	-0.2	-6	Tue	2104	-0.2	-6
	419	0.1	3	30	428	0.3	9	15	39	0.3	9	30	1219	1.2	37		
	1100	0.9	27	Fri	1202	0.9	27	Sun	425	0.1	3	Mon	1247	1.5	46		
Thu ●	1724	0.2	6	2009	0.2	6					1218	1.5	46	Wed	1221	1.2	37
	2301	0.7	21	2109	0.1	3					2026	-0.2	-6	●	2139	-0.3	-9
	31	1235	1.0	30	Sat	2109	0.1	3					31	1303	1.2	37	

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