

Cristobal, Caribbean Sea

Times and Heights of High and Low Waters - year 2017

January						February						March						Hour						
Hour			Height			Hour			Height			Hour			Height			Hour						
	h m	ft cm		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 Sun	1422	1.0	30	16	514	0.6	18	1	503	0.6	18	16	544	0.8	24	1	320	0.6	18	16	408	0.7	21	
	2243	-0.2	-6	Mon	950	0.3	9	Wed	1028	0.2	6	Thu	1216	0.1	3	Wed	928	0.1	3	Thu	1110	-0.1	-3	
					1548	0.9	27		1556	0.6	18		1734	0.4	12		1511	0.5	15		1702	0.4	12	
2 Mon	1507	1.0	30	17	555	0.7	21	2	535	0.8	24	17	618	0.8	24	2	404	0.8	24	17	444	0.8	24	
	2302	-0.2	-6	Tue	1113	0.3	9	Thu	1146	0.1	3	Fri	1309	0.0	0	Thu	1042	0.0	0	Fri	1156	-0.1	-3	
					1641	0.7	21		1654	0.5	15		1822	0.4	12		1615	0.4	12		1750	0.3	9	
3 Tue	609	0.6	18	18	632	0.8	24	3	612	1.0	30	18	650	0.9	27	3	449	0.9	27	18	518	0.8	24	
	958	0.4	12	Wed	1227	0.2	6	Fri	1254	0.0	0	Sat	1357	0.0	0	Fri	1146	-0.1	-3	Sat	1237	-0.1	-3	
	1555	0.9	27		1733	0.6	18	●	1753	0.4	12	●	1907	0.3	9		1716	0.4	12		1831	0.3	9	
4 Wed	623	0.7	21	19	3	-0.2	-6	4	653	1.1	34	19	11	0.0	0	4	534	1.1	34	19	552	0.9	27	
	1129	0.4	12	Thu	707	0.9	27	Sat	1356	-0.1	-3	Sun	723	0.9	27	Sat	1243	-0.2	-6	Sun	1316	-0.2	-6	
	1646	0.7	21		1333	0.2	6		1852	0.3	9		1443	-0.1	-3		1813	0.3	9		1907	0.3	9	
5 Thu	2344	-0.2	-6	●	1823	0.5	15						1949	0.2	6		2319	-0.1	-3		2330	0.1	3	
	649	0.9	27	20	28	-0.1	-3	5	736	1.2	37	20	35	0.0	0	5	621	1.2	37	20	627	0.9	27	
	1248	0.3	9	Fri	741	1.0	30	Sun	1455	-0.1	-3	Mon	756	1.0	30	Sun	1336	-0.3	-9	Mon	1353	-0.2	-6	
6 Fri	1740	0.6	18		1434	0.1	3		1951	0.3	9		2031	0.2	6	●	1908	0.3	9	●	1941	0.3	9	
	723	1.0	30	21	50	-0.1	-3	6	822	1.3	40	21	59	0.0	0	6	4	-0.1	-3	21	0	0.1	3	
	1401	0.2	6		1532	0.1	3	Mon	1552	-0.2	-6	Tue	831	1.0	30	Mon	709	1.2	37	Tue	702	0.9	27	
7 Sat	1838	0.5	15		2003	0.3	9	22	142	0.2	6	22	124	0.0	0	7	52	-0.1	-3	22	34	0.1	3	
	40	-0.2	-6	22	110	0.0	0	7	911	1.3	40	Wed	907	1.0	30	Tue	758	1.2	37	Wed	739	0.9	27	
	802	1.2	37	Sun	845	1.1	34	Tue	1650	-0.2	-6	23	1701	-0.1	-3	Tue	1520	-0.3	-9	Wed	1506	-0.2	-6	
8 Sun	1509	0.1	3		1628	0.0	0		2157	0.2	6		2202	0.1	3		2055	0.3	9		2048	0.3	9	
	1940	0.3	9		2055	0.2	6																	
	113	-0.2	-6	23	126	0.0	0	8	1001	1.3	40	23	152	0.0	0	8	142	-0.1	-3	23	113	0.1	3	
9 Mon	845	1.3	40	Mon	1724	0.0	0	Wed	1747	-0.3	-9	Thu	945	1.0	30	Wed	849	1.1	34	Thu	817	0.9	27	
	1615	-0.1	-3		2154	0.1	3		2308	0.2	6		1747	-0.1	-3		1611	-0.3	-9		1542	-0.1	-3	
	2048	0.2	6																	2125	0.3	9		
10 Tue	150	-0.2	-6	24	138	0.0	0	9	319	0.0	0	24	228	0.0	0	9	237	0.0	0	24	159	0.1	3	
	931	1.4	43	Tue	952	1.1	34	Thu	1054	1.2	37	Fri	1026	0.9	27	Thu	941	1.1	34	Fri	859	0.8	24	
	1718	-0.1	-3		1819	-0.1	-3		1842	-0.3	-9		1830	-0.1	-3		1703	-0.2	-6		1618	-0.1	-3	
11 Wed	2203	0.2	6		2308	0.1	3													2206	0.3	9		
	231	-0.1	-3	25	142	0.0	0	10	23	0.2	6	25	319	0.1	3	10	338	0.0	0	25	256	0.1	3	
	1021	1.4	43		1027	1.1	34	Fri	1149	1.1	34	Sat	1112	0.9	27	Fri	1036	0.9	27	Sat	945	0.8	24	
12 Thu	1819	-0.2	-6		1912	-0.1	-3	●	1935	-0.2	-6		1908	-0.1	-3		1754	-0.2	-6		1653	-0.1	-3	
	2326	0.1	3																	2252	0.4	12		
	318	0.0	0	26	1105	1.1	34	11	138	0.3	9	26	55	0.2	6	11	449	0.1	3	26	407	0.1	3	
13 Fri	1112	1.4	43	Thu	1958	-0.1	-3	Sat	535	0.1	3	Sun	435	0.1	3	Sat	1134	0.8	24	Sun	1038	0.7	21	
	1917	-0.3	-9						1246	1.0	30		1203	0.8	24		1844	-0.1	-3		1728	0.0	0	
	55	0.2	6	27	1145	1.1	34	12	245	0.4	12	27	149	0.3	9	12	54	0.4	12	27	533	0.1	3	
14 Sat	412	0.1	3		2035	-0.2	-6	Fri	704	0.2	6	Mon	615	0.2	6	Sun	612	0.1	3	Mon	1142	0.6	18	
	1206	1.4	43						1345	0.9	27		1301	0.7	21		1239	0.7	21		1805	0.0	0	
	2011	-0.3	-9	●					2109	-0.2	-6		2013	-0.1	-3		1931	-0.1	-3					
15 Sun	220	0.2	6	28	1228	1.0	30	13	341	0.5	15	28	236	0.5	15	13	152	0.5	15	28	36	0.6	18	
	521	0.1	3	Sat	2105	-0.2	-6	Mon	837	0.2	6	Tue	1405	0.6	18	Mon	741	0.1	3	Tue	704	0.0	0	
	1301	1.3	40						1446	0.7	21		2045	-0.1	-3		1348	0.6	18		1256	0.5	15	
16 Mon	2100	-0.3	-9						2148	-0.2	-6						2015	0.0	0		1846	0.0	0	
	331	0.3	9	29	1315	0.9	27	Tue	428	0.6	18						14	244	0.6	18	29	130	0.7	21
	646	0.2	6	Sun	2129	-0.2	-6	Wed	1002	0.2	6	Tue	1545	0.6	18	Tue	904	0.1	3	Wed	828	-0.1	-3	
17 Tue	1357	1.2	37						2223	-0.1	-3						14	1459	0.5	15	29	1415	0.4	12
	2145	-0.3	-9														2054	0.0	0		1931	0.0	0	
	427	0.5	15	30	431	0.3	9	15	508	0.7	21						15	328	0.6	18	30	224	0.9	27
18 Wed	820	0.3	9		650	0.2	6	Mon	1115	0.1	3	Wed	1103	0.0	0	Wed	1013	0.0	0	Thu	938	-0.2	-6	
	1453	1.0	30		1406	0.9	27						1641	0.5	15						1529	0.3	9	
	2225	-0.3	-9		2151	-0.2	-6						2254	-0.1	-3						2020	0.0	0	
						31	439	0.5	15											<b				

Cristobal, Caribbean Sea

Times and Heights of High and Low Waters - year 2017

April				May				June							
	Hour	Height		Hour	Height		Hour	Height		Hour	Height				
	h m	ft	cm	h m	ft	cm	h m	ft	cm	h m	ft	cm			
1 Sat	408	1.1	34	16 Sun	416	0.9	-27	1 Mon	428	1.2	37	16 Tue	357	0.9	-27
	1133	-0.4	-12		1206	-0.3	-9		1200	-0.5	-15		1204	-0.3	-9
	1733	0.3	9		1851	0.3	9		1827	0.4	12		1925	0.4	12
	2207	0.0	0		2157	0.2	6		2249	0.1	3		2141	0.3	9
2 Sun	459	1.1	34	17 Mon	452	0.9	-27	2 Tue	521	1.1	34	17 Wed	436	0.9	27
	1223	-0.4	-12		1238	-0.3	-9		1244	-0.5	-15		1227	-0.3	-9
	1826	0.4	12		1914	0.3	9		1914	0.5	15		1928	0.4	12
	2302	0.0	0		2239	0.2	6		2356	0.1	3		2254	0.3	9
3 Mon	550	1.2	37	18 Tue	529	0.9	-27	3 Wed	613	1.0	30	18 Thu	515	0.8	24
	1311	-0.4	-12		1307	-0.3	-9		1326	-0.5	-15		1250	-0.3	-9
	1916	0.4	12		1936	0.3	9		1959	0.6	18		1942	0.5	15
	2357	0.0	0		2324	0.2	6						2106	0.9	27
4 Tue	641	1.1	34	19 Wed	606	0.9	-27	4 Thu	103	0.1	3	19 Fri	4	0.3	9
	1358	-0.4	-12		1337	-0.2	-6		706	0.9	27		557	0.8	24
	2004	0.4	12		2000	0.4	12		1406	-0.4	-12		1312	-0.3	-9
									2044	0.7	21		2004	0.6	18
5 Wed	55	0.0	0	20 Thu	13	0.2	6	5 Fri	213	0.1	3	20 Sat	115	0.2	6
	732	1.1	34		645	0.8	24		759	0.7	21		642	0.7	21
	1443	-0.4	-12		1405	-0.2	-6		1443	-0.3	-9		1335	-0.2	-6
	2053	0.5	15		2027	0.4	12		2128	0.7	21		2033	0.7	21
6 Thu	155	0.0	0	21 Fri	108	0.2	6	6 Sat	327	0.1	3	21 Sun	229	0.2	6
	825	0.9	27		727	0.8	24		855	0.6	18		732	0.5	15
	1528	-0.3	-9		1433	-0.2	-6		1517	-0.2	-6		1400	-0.2	-6
	2142	0.5	15		2058	0.5	15		2212	0.8	24		2109	0.9	27
7 Fri	259	0.0	0	22 Sat	210	0.1	3	7 Sun	446	0.1	3	22 Mon	346	0.1	3
	919	0.8	24		812	0.7	21		959	0.4	12		831	0.4	12
	1611	-0.2	-6		1501	-0.1	-3		1546	0.0	0		1429	-0.2	-6
	2233	0.5	15		2135	0.6	18		2254	0.8	24		2150	1.0	30
8 Sat	411	0.1	3	23 Sun	322	0.1	3	8 Mon	609	0.0	0	23 Tue	504	0.0	0
	1017	0.6	18		904	0.6	18		1119	0.3	9		942	0.3	9
	1653	-0.1	-3		1530	-0.1	-3		1609	0.1	3		1501	-0.1	-3
	2323	0.6	18		2217	0.7	21		2334	0.9	27		2236	1.1	34
9 Sun	532	0.1	3	24 Mon	443	0.1	3	9 Tue	726	-0.1	-3	24 Wed	618	-0.1	-3
	1124	0.5	15		1007	0.4	12		1307	0.2	6		1109	0.2	6
	1733	0.0	0		1603	-0.1	-3		1620	0.1	3		1539	-0.1	-3
					2304	0.8	24					2326	1.2	37	
10 Mon	12	0.6	18	25 Tue	606	0.0	0	10 Wed	13	0.9	27	25 Thu	725	-0.1	-3
	657	0.0	0		1124	0.3	9		832	-0.1	-3		1019	-0.3	-9
	1244	0.4	12		1640	0.0	0						1046	1.0	30
	1811	0.1	3		2355	0.9	27						1046	-0.3	-9
11 Tue	100	0.7	21	26 Wed	725	-0.1	-3	11 Thu	51	0.9	27	26 Mon	119	1.0	30
	817	0.0	0		1255	0.2	6		923	-0.2	-6		1019	-0.3	-9
	1416	0.3	9		1725	0.0	0						1046	1.0	30
	1847	0.2	6										1046	-0.3	-9
12 Wed	144	0.7	21	27 Thu	48	1.1	34	12 Fri	128	0.9	27	12 Mon	114	1.3	40
	923	-0.1	-3		833	-0.3	-9		1005	-0.3	-9		917	-0.5	-15
	1545	0.3	9		1425	0.2	6						1540	0.2	6
	1922	0.2	6		1820	0.1	3						1838	0.1	3
13 Thu	225	0.8	24	28 Fri	143	1.1	34	13 Sat	205	0.9	27	13 Tue	235	1.0	30
	1015	-0.2	-6		932	-0.4	-12		1040	-0.3	-9		1109	-0.3	-9
	1658	0.3	9		1542	0.2	6						1640	0.3	9
	1958	0.2	6		1924	0.1	3						2000	0.2	6
14 Fri	303	0.8	24	29 Sat	239	1.2	37	14 Sun	242	0.9	27	14 Mon	306	1.3	40
	1057	-0.2	-6		1025	-0.5	-15		1111	-0.3	-9		1052	-0.6	-18
	1749	0.3	9		1645	0.3	9						1731	0.4	12
	2036	0.2	6		2032	0.1	3						2123	0.2	6
15 Sat	340	0.8	24	30 Sun	334	1.2	37	15 Mon	319	0.9	27	15 Tue	401	1.2	37
	1133	-0.2	-6		1114	-0.5	-15		1138	-0.3	-9		1135	-0.5	-15
	1825	0.3	9		1739	0.4	12						1818	0.5	15
	2116	0.2	6		2141	0.1	3						2242	0.2	6
												31 Wed	455	1.1	34
												12 Fri	1215	-0.5	-15
												1902	0.6	18	
												2358	0.2	6	

compiled by: EAAR-HM

● New Moon ○ First Quarter ○ Full Moon ◉ Last Quarter

Cristobal, Caribbean Sea

Times and Heights of High and Low Waters - year 2017

July				August				September				
	Hour	Height		Hour	Height		Hour	Height		Hour	Height	
	h m	ft cm		h m	ft cm		h m	ft cm		h m	ft cm	
1 Sat 623 0.6 18 1251 -0.3 -9 1958 1.0 30	16 Sun 516 0.5 15 1146 -0.2 -6 1900 1.0 30	28 0.3 9 1146 -0.2 -6 1900 1.0 30	1 Tue 309 0.0 0 1305 0.0 0 2030 1.1 34	309 0.0 0 1305 0.0 0 2030 1.1 34	16 Wed 223 -0.1 -3 1228 -0.1 -3 1951 1.3 40	223 -0.1 -3 1228 -0.1 -3 1951 1.3 40	1 Fri 351 0.0 0 1325 0.2 6 2052 1.1 34	351 0.0 0 1325 0.2 6 2052 1.1 34	16 Sat 332 -0.1 -3 1412 0.1 3 2107 1.2 37	332 -0.1 -3 1412 0.1 3 2107 1.2 37		
	2 Sun 718 0.4 12 1318 -0.2 -6 2036 1.0 30	17 Mon 137 0.2 6 1214 -0.2 -6 1936 1.1 34	404 0.0 0 1325 0.0 0 2104 1.1 34	404 0.0 0 1325 0.0 0 2104 1.1 34	2 Wed 317 -0.1 -3 1312 -0.1 -3 2039 1.4 43	317 -0.1 -3 1312 -0.1 -3 2039 1.4 43	2 Sat 435 0.0 0 1355 0.2 6 2130 1.0 30	435 0.0 0 1355 0.2 6 2130 1.0 30	17 Sun 421 -0.1 -3 1515 0.1 3 2203 1.1 34	421 -0.1 -3 1515 0.1 3 2203 1.1 34		
	3 Mon 814 0.3 9 1341 -0.1 -3 2111 1.1 34	18 Tue 241 0.0 0 1246 -0.2 -6 2017 1.3 40	458 0.0 0 1341 0.1 3 2139 1.1 34	458 0.0 0 1341 0.1 3 2139 1.1 34	18 Fri 411 -0.2 -6 1401 -0.1 -3 2129 1.4 43	411 -0.2 -6 1401 -0.1 -3 2129 1.4 43	3 Sun 519 0.0 0 1431 0.2 6 2210 1.0 30	519 0.0 0 1431 0.2 6 2210 1.0 30	18 Mon 510 0.0 0 1628 0.2 6 2303 1.0 30	510 0.0 0 1628 0.2 6 2303 1.0 30		
	4 Tue 917 0.2 6 1357 0.0 0 2146 1.1 34	19 Wed 343 -0.1 -3 1322 -0.2 -6 2102 1.4 43	552 0.0 0 1351 0.0 0 2215 1.1 34	552 0.0 0 1351 0.0 0 2215 1.1 34	19 Sat 505 -0.2 -6 1455 0.0 0 2222 1.3 40	505 -0.2 -6 1455 0.0 0 2222 1.3 40	4 Mon 602 0.1 3 1519 0.2 6 2255 0.9 27	602 0.1 3 1519 0.2 6 2255 0.9 27	19 Tue 558 0.0 0 1751 0.2 6	558 0.0 0 1751 0.2 6		
5 Wed 1031 0.1 3 1403 0.0 0 2220 1.1 34	20 Thu 443 -0.1 -3 922 0.2 6 2150 1.4 43	443 -0.1 -3 922 0.2 6 2150 1.4 43	646 -0.1 -3 2252 1.1 34	646 -0.1 -3 2252 1.1 34	20 Sun 559 -0.2 -6 1132 0.3 9 2318 1.2 37	559 -0.2 -6 1132 0.3 9 2318 1.2 37	5 Tue 641 0.1 3 1631 0.3 9 2345 0.8 24	641 0.1 3 1631 0.3 9 2345 0.8 24	20 Wed 10 0.8 24 1309 0.7 21 1919 0.2 6	10 0.8 24 1309 0.7 21 1919 0.2 6		
	6 Thu 653 -0.1 -3 2255 1.1 34	21 Fri 542 -0.2 -6 1037 0.1 3 1451 -0.1 -3 2241 1.4 43	735 -0.1 -3 2331 1.0 30	735 -0.1 -3 2331 1.0 30	21 Mon 653 -0.1 -3 1244 0.4 12 1713 0.2 6	653 -0.1 -3 1244 0.4 12 1713 0.2 6	6 Wed 715 0.1 3 1322 0.5 15 1806 0.3 9	715 0.1 3 1322 0.5 15 1806 0.3 9	21 Thu 124 0.7 21 733 0.2 6 1404 0.8 24 2043 0.2 6	124 0.7 21 733 0.2 6 1404 0.8 24 2043 0.2 6		
	7 Fri 2330 1.1 34	22 Sat 640 -0.3 -9 1159 0.1 3 1546 0.0 0 2335 1.4 43	816 -0.1 -3 ○	816 -0.1 -3 ○	22 Tue 17 1.1 34 743 -0.1 -3 1353 0.5 15 1840 0.2 6	17 1.1 34 743 -0.1 -3 1353 0.5 15 1840 0.2 6	7 Thu 43 0.8 24 745 0.1 3 1407 0.6 18 1946 0.3 9	43 0.8 24 745 0.1 3 1407 0.6 18 1946 0.3 9	22 Fri 241 0.6 18 817 0.2 6 1454 0.9 27 2153 0.1 3	241 0.6 18 817 0.2 6 1454 0.9 27 2153 0.1 3		
8 Sat ○	23 Sun 734 -0.3 -9 1322 0.2 6 1653 0.1 3	734 -0.3 -9 1322 0.2 6 1653 0.1 3	849 -0.1 -3 ○	849 -0.1 -3 ○	23 Tue 120 0.9 27 831 -0.1 -3 1455 0.6 18 2013 0.2 6	120 0.9 27 831 -0.1 -3 1455 0.6 18 2013 0.2 6	8 Wed 148 0.7 21 815 0.2 6 1450 0.7 21 2113 0.2 6	148 0.7 21 815 0.2 6 1450 0.7 21 2113 0.2 6	23 Sat 354 0.6 18 859 0.3 9 1538 0.9 27 2251 0.0 0	354 0.6 18 859 0.3 9 1538 0.9 27 2251 0.0 0		
	9 Sun 915 -0.2 -6	24 Mon 31 1.3 40 825 -0.3 -9 1438 0.3 9 1816 0.2 6	59 0.9 27 914 -0.1 -3 1618 0.4 12 1828 0.3 9	59 0.9 27 914 -0.1 -3 1618 0.4 12 1828 0.3 9	24 Thu 225 0.8 24 915 0.0 0 1548 0.7 21 2139 0.2 6	225 0.8 24 915 0.0 0 1548 0.7 21 2139 0.2 6	9 Sat 255 0.6 18 847 0.1 3 1533 0.9 27 2224 0.1 3	255 0.6 18 847 0.1 3 1533 0.9 27 2224 0.1 3	24 Sun 456 0.5 15 938 0.3 9 1619 1.0 30 2339 0.0 0	456 0.5 15 938 0.3 9 1619 1.0 30 2339 0.0 0		
10 Mon 946 -0.2 -6	25 Tue 129 1.2 37 912 -0.3 -9 1542 0.4 12 1950 0.2 6	148 0.8 24 934 0.0 0 1621 0.5 15 2036 0.4 12	148 0.8 24 934 0.0 0 1621 0.5 15 2036 0.4 12	148 0.8 24 934 0.0 0 1621 0.5 15 2036 0.4 12	25 Fri 330 0.7 21 955 0.0 0 1634 0.8 24 2253 0.1 3	330 0.7 21 955 0.0 0 1634 0.8 24 2253 0.1 3	10 Sun 400 0.5 15 922 0.1 3 1617 1.0 30 2324 0.0 0	400 0.5 15 922 0.1 3 1617 1.0 30 2324 0.0 0	25 Mon 548 0.5 15 1015 0.3 9 1657 1.0 30	548 0.5 15 1015 0.3 9 1657 1.0 30		
	11 Tue 1011 -0.2 -6	26 Wed 228 1.0 30 955 -0.3 -9 1635 0.6 18 2123 0.3 9	242 0.7 21 954 0.0 0 1642 0.6 18 2210 0.3 9	242 0.7 21 954 0.0 0 1642 0.6 18 2210 0.3 9	26 Mon 432 0.6 18 1032 0.0 0 1716 0.9 27 2356 0.1 3	432 0.6 18 1032 0.0 0 1716 0.9 27 2356 0.1 3	11 Mon 459 0.5 15 1002 0.1 3 1702 1.2 37	459 0.5 15 1002 0.1 3 1702 1.2 37	26 Tue 21 0.0 0 631 0.5 15 1049 0.3 9 1734 1.0 30	21 0.0 0 631 0.5 15 1049 0.3 9 1734 1.0 30		
	12 Wed 1031 -0.2 -6	27 Thu 327 0.9 27 1035 -0.3 -9 1721 0.7 21 2248 0.2 6	338 0.6 18 1016 0.0 0 1710 0.8 24 2326 0.2 6	338 0.6 18 1016 0.0 0 1710 0.8 24 2326 0.2 6	27 Sun 529 0.5 15 1105 0.1 3 1754 1.0 30	529 0.5 15 1105 0.1 3 1754 1.0 30	12 Tue 17 0.1 -3 553 0.5 15 1045 0.1 3 1748 1.3 40	17 0.1 -3 553 0.5 15 1045 0.1 3 1748 1.3 40	27 Wed 59 0.0 0 707 0.5 15 1123 0.3 9 1810 1.1 34	59 0.0 0 707 0.5 15 1123 0.3 9 1810 1.1 34		
13 Thu 1048 -0.2 -6	28 Fri 246 0.8 24 1111 -0.2 -6 1803 0.8 24	426 0.8 24 1111 -0.2 -6 1803 0.8 24	435 0.5 15 1042 -0.1 -3 1745 1.0 30	435 0.5 15 1042 -0.1 -3 1745 1.0 30	28 Mon 50 0.0 0 620 0.5 15 1136 0.1 3 1831 1.0 30	50 0.0 0 620 0.5 15 1136 0.1 3 1831 1.0 30	13 Wed 107 0.1 -3 644 0.5 15 1132 0.1 3 1836 1.3 40	107 0.1 -3 644 0.5 15 1132 0.1 3 1836 1.3 40	28 Thu 136 0.0 0 741 0.5 15 1157 0.3 9 1846 1.1 34	136 0.0 0 741 0.5 15 1157 0.3 9 1846 1.1 34		
	14 Fri 1105 -0.2 -6	29 Sat 522 0.6 18 1144 -0.2 -6 1843 0.9 27	30 0.1 3 531 0.5 15 1113 -0.1 -3 1823 1.1 34	30 0.1 3 531 0.5 15 1113 -0.1 -3 1823 1.1 34	29 Tue 138 0.0 0 706 0.4 12 1204 0.1 3 1906 1.1 34	138 0.0 0 706 0.4 12 1204 0.1 3 1906 1.1 34	14 Thu 156 -0.2 -6 734 0.5 15 1222 0.1 3 1924 1.3 40	156 -0.2 -6 734 0.5 15 1222 0.1 3 1924 1.3 40	29 Fri 211 0.0 0 813 0.5 15 1232 0.3 9 1922 1.0 30	211 0.0 0 813 0.5 15 1232 0.3 9 1922 1.0 30		
	15 Sat 1124 -0.2 -6	30 Sun 617 0.5 15 1214 -0.1 -3 1920 1.0 30	128 0.0 0 627 0.4 12 1148 -0.1 -3 1906 1.2 37	128 0.0 0 627 0.4 12 1148 -0.1 -3 1906 1.2 37	30 Wed 223 0.0 0 749 0.4 12 1232 0.1 3 1941 1.1 34	223 0.0 0 749 0.4 12 1232 0.1 3 1941 1.1 34	15 Fri 244 -0.2 -6 825 0.5 15 1314 0.1 3 2015 1.3 40	244 -0.2 -6 825 0.5 15 1314 0.1 3 2015 1.3 40	30 Sat 245 0.0 0 846 0.5 15 1312 0.3 9 2000 1.0 30	245 0.0 0 846 0.5 15 1312 0.3 9 2000 1.0 30		
		31 Mon 709 0.4 12 1241 -0.1 -3 1955 1.1 34	212 0.1 3 830 0.4 12 1258 0.1 3 2016 1.1 34	212 0.1 3 830 0.4 12 1258 0.1 3 2016 1.1 34	31 Thu 307 0.0 0 830 0.4 12 1258 0.1 3 2016 1.1 34	307 0.0 0 830 0.4 12 1258 0.1 3 2016 1.1 34						

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New Moon



First Quarter



Full Moon



Last Quarter

Cristobal, Caribbean Sea
Times and Heights of High and Low Waters - year 2017

October				November				December							
	Hour	Height		Hour	Height		Hour	Height		Hour	Height				
	h m	ft	cm	h m	ft	cm	h m	ft	cm	h m	ft	cm			
1 Sun	319	0.0	0	16 Mon	334	0.0	0	1 Wed	302	0.1	3	1 Fri	230	0.0	0
	920	0.5	15	Mon	1002	0.8	24	Wed	1001	0.9	27	Thu	1111	1.1	34
	1358	0.3	9		1548	0.2	6		1635	0.3	9		1901	0.1	3
	2040	0.9	27		2145	0.8	24		2137	0.6	18				
2 Mon	352	0.1	3	17 Tue	414	0.1	3	2 Thu	329	0.1	3	17 Fri	28	0.4	12
	957	0.6	18		1051	0.9	27		1042	1.0	30	Sat	400	0.3	9
	1454	0.3	9		1709	0.2	6		1756	0.2	6		1152	1.1	34
	2124	0.9	27		2252	0.7	21		2253	0.5	15		2009	0.0	0
3 Tue	424	0.1	3	18 Wed	453	0.2	6	3 Fri	359	0.2	6	18 Sat	1232	1.2	37
	1038	0.6	18		1140	0.9	27		1128	1.2	37		2104	-0.1	-3
	1603	0.3	9		1834	0.2	6		1911	0.1	3				
	2216	0.8	24									●			
4 Wed	455	0.2	6	19 Thu	14	0.6	18	4 Sat	25	0.4	12	19 Sun	1310	1.1	34
	1122	0.7	21		530	0.3	9		436	0.2	6		2149	-0.1	-3
	1726	0.3	9		1229	1.0	30		1218	1.3	40				
	2318	0.7	21		●	1954	0.1	3		○	2017	0.0	0		
5 Thu	527	0.2	6	20 Fri	149	0.5	15	5 Sun	202	0.3	9	20 Mon	1348	1.1	34
	1209	0.8	24		607	0.3	9		524	0.2	6		2226	-0.1	-3
	1854	0.2	6		1315	1.0	30		1310	1.3	40				
	○				2102	0.0	0		2113	-0.2	-6				
6 Fri	34	0.6	18	21 Sat	327	0.5	15	6 Mon	324	0.4	12	21 Tue	1426	1.1	34
	603	0.2	6		643	0.4	12		627	0.3	9		2258	-0.2	-6
	1259	0.9	27		1359	1.0	30		1405	1.4	43				
	2015	0.1	3		2157	0.0	0		2203	-0.3	-9				
7 Sat	157	0.5	15	22 Sun	450	0.5	15	7 Tue	427	0.4	12	22 Wed	1503	1.1	34
	644	0.3	9		723	0.4	12		740	0.3	9		2326	-0.2	-6
	1350	1.1	34		1440	1.1	34		1459	1.4	43				
	2122	0.0	0		2241	-0.1	-3		2249	-0.3	-9				
8 Sun	315	0.5	15	23 Mon	548	0.5	15	8 Wed	519	0.5	15	23 Thu	1541	1.1	34
	733	0.3	9		808	0.4	12		856	0.3	9		2351	-0.2	-6
	1442	1.2	37		1520	1.1	34		1553	1.4	43				
	2219	-0.1	-3		2319	-0.1	-3		2334	-0.4	-12				
9 Mon	421	0.5	15	24 Tue	625	0.5	15	9 Thu	605	0.6	18	24 Fri	1618	1.0	30
	828	0.3	9		856	0.4	12		1009	0.3	9		2351	-0.2	-6
	1533	1.3	40		1558	1.1	34		1647	1.3	40				
	2310	-0.2	-6		2353	-0.1	-3								
10 Tue	516	0.5	15	25 Wed	652	0.5	15	10 Fri	16	-0.3	-9	25 Sat	17	-0.1	-9
	925	0.3	9		943	0.4	12		650	0.7	21		729	0.6	18
	1624	1.3	40		1635	1.1	34		1121	0.3	9		1046	0.5	15
	2357	-0.2	-6		●	1740	1.2	37		1740	1.0	30		1245	0.3
11 Wed	606	0.5	15	26 Thu	23	-0.1	-3	11 Sat	57	-0.3	-9	26 Mon	27	-0.3	-9
	1024	0.2	6		715	0.5	15		734	0.8	24		801	1.0	30
	1715	1.4	43		1031	0.4	12		1233	0.3	9		1402	0.3	9
					1711	1.1	34		1834	1.1	34		1911	0.7	21
12 Thu	42	-0.3	-9	27 Fri	53	-0.1	-3	12 Sun	136	-0.2	-6	27 Mon	56	-0.1	-3
	653	0.6	18		737	0.6	18		818	0.9	27		758	0.8	24
	1123	0.2	6		1118	0.5	15		1346	0.3	9		1307	0.5	15
	1807	1.3	40		●	1748	1.0	30		1928	0.9	27		1819	0.8
13 Fri	127	-0.2	-6	28 Sat	120	-0.1	-3	13 Mon	213	-0.1	-3	28 Tue	116	-0.1	-3
	739	0.6	18		759	0.6	18		902	1.0	30		823	0.9	27
	1224	0.2	6		1209	0.4	12		1502	0.3	9		1420	0.4	12
	1858	1.3	40		1826	1.0	30		2025	0.8	24		1906	0.7	21
14 Sat	210	-0.2	-6	29 Sun	147	0.0	0	14 Tue	247	0.0	0	29 Wed	138	0.0	0
	825	0.7	21		824	0.7	21		946	1.0	30		853	1.0	30
	1327	0.2	6		1304	0.4	12		1622	0.2	6		1534	0.3	9
	1951	1.1	34		1906	0.9	27		2129	0.6	18		2001	0.5	15
15 Sun	252	-0.1	-3	30 Mon	212	0.0	0	15 Wed	318	0.1	3	30 Fri	202	0.0	0
	913	0.8	24		852	0.7	21		1029	1.1	34		930	1.2	37
	1434	0.2	6		1407	0.4	12		1743	0.2	6		1649	0.2	6
	2045	1.0	30		1949	0.8	24		2246	0.4	12		2107	0.4	12
31 Tue															
237 0.1 3															
924 0.8 24															
1517 0.4 12															
2038 0.7 21															

compiled by: EAAR-HM



New Moon



First Quarter



Full Moon



Last Quarter