

## Cristobal, Caribbean Sea

### Times and Heights of High and Low Waters - year 2021

January				February				March																													
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 Fri	1345	1.2	37		16 Sat	520	0.4	12		1 Mon	450	0.5	15		16 Tue	523	0.7	21		1 Mon	252	0.5	15		16 Tue	340	0.6	18									
	2235	-0.3	-9			813	0.3	9			919	0.3	9			1139	0.1	3			828	0.1	3			1042	0.0	0		1632	0.3	9		2122	0.1	3	
2 Sat	1431	1.1	34		17 Sun	551	0.5	15		2 Tue	516	0.7	21		17 Wed	550	0.8	24		2 Tue	336	0.7	21		17 Wed	411	0.7	21		18 Thu	442	0.8	24				
	2255	-0.3	-9			957	0.4	12			1101	0.2	6			1239	0.1	3			1003	0.0	0			1134	-0.1	-3			1731	0.3	9		2145	0.2	6
3 Sun	1518	1.0	30		18 Mon	620	0.7	21		3 Wed	550	0.9	27		18 Thu	618	0.8	24		3 Wed	421	0.9	27		18 Thu	442	0.8	24		19 Fri	514	0.9	27				
	2313	-0.3	-9			1128	0.3	9			1223	0.1	3			1329	0.0	0			1118	-0.1	-3			1217	-0.1	-3			1819	0.3	9		2208	0.1	3
4 Mon	619	0.6	18		19 Tue	648	0.8	24		4 Thu	629	1.1	34		19 Fri	647	0.9	27		4 Thu	506	1.1	34		19 Fri	514	0.9	27		20 Sat	547	0.9	27				
	1014	0.4	12			1246	0.3	9			1333	-0.1	-3			1416	-0.1	-3			1222	-0.2	-6			1255	-0.2	-6			1856	0.2	6		2233	0.1	3
5 Tue	636	0.8	24		20 Wed	715	0.9	27		5 Fri	711	1.2	37		20 Sat	718	1.0	30		5 Fri	553	1.2	37		20 Sat	547	0.9	27		21 Sun	622	1.0	30				
	1156	0.4	12			1355	0.2	6			1437	-0.2	-6			1501	-0.1	-3			1319	-0.3	-9			1332	-0.2	-6			1928	0.2	6		2300	0.1	3
6 Wed	705	1.0	30		21 Thu	19	-0.1	-3		6 Sat	23	-0.2	-6		21 Sun	9	0.0	0		6 Sat	640	1.3	40		21 Sun	622	1.0	30		22 Mon	659	1.0	30				
	1324	0.2	6			742	1.0	30			755	1.3	40			1547	-0.1	-3			1413	-0.4	-12			1956	0.2	6			2331	0.1	3		1447	-0.2	-6
7 Thu	19	-0.2	-6		22 Fri	34	0.0	0		7 Sun	100	-0.2	-6		22 Mon	30	0.0	0		7 Sun	11	-0.1	-3		22 Mon	659	1.0	30		23 Tue	6	0.0	0				
	740	1.2	37			810	1.0	30			842	1.4	43			827	1.1	34			729	1.3	40			1505	-0.4	-12			2024	0.2	6		738	1.0	30
8 Fri	46	-0.2	-6		23 Sat	46	0.0	0		8 Mon	139	-0.1	-3		23 Tue	54	0.0	0		8 Mon	57	-0.1	-3		23 Tue	6	0.0	0		24 Wed	49	0.0	0				
	820	1.3	40			840	1.1	34			931	1.4	43			905	1.1	34			818	1.3	40			1558	-0.3	-9			1524	-0.2	-6		1524	-0.2	-6
9 Sat	116	-0.2	-6		24 Sun	55	0.0	0		9 Tue	221	-0.1	-3		24 Wed	123	-0.1	-3		9 Tue	144	-0.1	-3		24 Wed	1600	-0.2	-6		25 Thu	141	0.0	0				
	904	1.4	43			913	1.1	34			1021	1.3	40			945	1.1	34			908	1.2	37			1650	-0.3	-9			1634	-0.1	-3		902	0.9	27
10 Sun	148	-0.1	-3		25 Mon	56	-0.1	-3		10 Wed	2	0.1	3		25 Thu	202	-0.1	-3		10 Wed	236	0.0	0		25 Thu	141	0.0	0		26 Fri	247	0.1	3				
	951	1.5	46			947	1.2	37			306	0.0	0			1029	1.1	34			959	1.1	34			950	0.8	24			1707	-0.1	-3		902	0.9	27
11 Mon	222	-0.1	-3		26 Tue	1025	1.2	37		11 Thu	125	0.1	3		26 Fri	11	0.1	3		11 Thu	334	0.1	3		26 Fri	247	0.1	3		27 Sat	412	0.1	3				
	1041	1.5	46			1932	-0.2	-6			359	0.0	0			1116	1.0	30			1052	0.9	27			1707	-0.1	-3			1046	0.7	21		1740	-0.1	-3
12 Tue	37	0.0	0		27 Wed	1105	1.2	37		12 Fri	243	0.2	6		27 Sat	113	0.2	6		12 Fri	33	0.3	9		27 Sat	412	0.1	3		28 Sun	1	0.5	15				
	257	-0.1	-3			2016	-0.2	-6			515	0.1	3			434	0.1	3			448	0.1	3			1917	-0.1	-3			553	0.1	3		1815	0.0	0
13 Wed	1225	1.4	43		28 Thu	1148	1.2	37		13 Sat	340	0.3	9		28 Sun	206	0.3	9		13 Sat	133	0.4	12		28 Sun	1	0.5	15		29 Mon	56	0.7	21				
	2050	-0.4	-12			2050	-0.2	-6			700	0.2	6			632	0.2	6			621	0.2	6			1252	0.6	18			1155	0.5	15		736	0.0	0
14 Thu	1318	1.3	40		29 Fri	1234	1.1	34		14 Sun	421	0.4	12		29 Mon	1312	0.7	21		14 Sun	224	0.4	12		29 Mon	56	0.7	21		30 Tue	150	0.8	24				
	2135	-0.4	-12			2117	-0.2	-6			849	0.3	9			1454	0.7	21			1404	0.5	15			805	0.2	6			1318	0.4	12		903	-0.1	-3
15 Fri	1410	1.1	34		30 Sat	1323	1.0	30		15 Mon	454	0.6	18		30 Tue	305	0.5	15		15 Mon	305	0.5	15		30 Tue	150	0.8	24		31 Wed	243	1.0	30				
	2215	-0.3	-9			2139	-0.2	-6			1024	0.2	6			935	0.1	3			1521	0.4	12			1446	0.3	9			1013	-0.3	-9		1606	0.3	9
					31 Sun	440	0.3	9			2231	-0.1	-3			2058	0.1	3			2058	0.1	3			1938	0.0	0									
						704	0.2	6																													
					1417	0.9	27																														
					2200	-0.2	-6																														





### Cristobal, Caribbean Sea

Times and Heights of High and Low Waters - year 2021

July				August				September								
Hour	Height	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		h m ft cm			
<b>1</b> Thu	21 0.3 9	<b>16</b> Fri	437 0.6 18	<b>1</b> Sun	237 0.1 3	<b>16</b> Mon	206 -0.1 -3	<b>1</b> Wed	324 0.0 0	<b>16</b> Thu	321 -0.2 -6	<b>1</b> Sun	237 0.1 3			
	535 0.7 21		1129 -0.2 -6		719 0.3 9		703 0.3 9		842 0.3 9		901 0.4 12		1227 0.0 0	1153 -0.1 -3	1229 0.2 6	1320 0.1 3
	1230 -0.3 -9		1841 0.9 27		1227 0.0 0		1923 1.4 43		2011 1.2 37		2035 1.3 40		1955 1.1 34	1923 1.4 43	2011 1.2 37	2035 1.3 40
	1938 0.8 24															
<b>2</b> Fri	142 0.2 6	<b>17</b> Sat	100 0.2 6	<b>2</b> Mon	332 0.0 0	<b>17</b> Tue	302 -0.2 -6	<b>2</b> Thu	408 0.0 0	<b>17</b> Fri	410 -0.2 -6	<b>2</b> Sun	332 0.0 0			
	627 0.5 15		534 0.5 15		813 0.2 6		801 0.2 6		921 0.2 6		953 0.4 12		1243 0.0 0	1232 -0.1 -3	1254 0.1 3	1416 0.1 3
	1254 -0.2 -6		1913 1.1 34		1243 0.0 0		2010 1.4 43		2048 1.2 37		2127 1.2 37		2027 1.1 34	2010 1.4 43	2048 1.2 37	2127 1.2 37
	2011 0.9 27															
<b>3</b> Sat	259 0.2 6	<b>18</b> Sun	215 0.1 3	<b>3</b> Tue	425 0.0 0	<b>18</b> Wed	357 -0.2 -6	<b>3</b> Fri	454 0.0 0	<b>18</b> Sat	458 -0.1 -3	<b>3</b> Sun	425 0.0 0			
	721 0.4 12		636 0.3 9		907 0.2 6		900 0.2 6		1003 0.2 6		1049 0.4 12		1255 0.0 0	1315 -0.1 -3	1322 0.1 3	1521 0.2 6
	1312 -0.1 -3		1952 1.3 40		1255 0.0 0		2059 1.5 46		2127 1.1 34		2222 1.1 34		2100 1.1 34	2059 1.5 46	2127 1.1 34	2222 1.1 34
	2042 1.0 30															

Canal de Panamá (HIAM)

Ayax Murillo Burgos



New Moon



First Quarter



Full Moon



Last Quarter

# Cristobal, Caribbean Sea

## Times and Heights of High and Low Waters - year 2021

October				November				December															
Hour	Height			Hour	Height			Hour	Height			Hour	Height										
	h	m	ft		h	m	ft		h	m	ft		h	m	ft								
<b>1</b> Fri	301	0.0	0	<b>16</b> Sat	322	-0.1	-3	<b>1</b> Mon	245	0.0	0	<b>16</b> Tue	320	0.1	3	<b>1</b> Wed	202	0.0	0	<b>16</b> Thu	200	0.1	3
	853	0.4	12		943	0.7	21		932	0.8	24		1045	1.1	34		942	1.3	40		1043	1.2	37
	1243	0.3	9		1447	0.3	9		1523	0.4	12		1826	0.2	6		1725	0.1	3		1933	-0.1	-3
	1958	1.1	34		2103	1.0	30		2042	0.7	21		2319	0.4	12		2131	0.3	9				
<b>2</b> Sat	334	0.0	0	<b>17</b> Sun	400	0.0	0	<b>2</b> Tue	307	0.1	3	<b>17</b> Wed	327	0.2	6	<b>2</b> Thu	227	0.0	0	<b>17</b> Fri	1116	1.2	37
	926	0.4	12		1030	0.8	24		1011	1.0	30		1121	1.1	34		1026	1.4	43		2026	-0.1	-3
	1334	0.3	9		1608	0.3	9		1656	0.3	9		1944	0.1	3		1838	0.0	0				
	2039	1.0	30		2202	0.8	24		2148	0.5	15						2311	0.2	6				
<b>3</b> Sun	405	0.1	3	<b>18</b> Mon	435	0.1	3	<b>3</b> Wed	331	0.1	3	<b>18</b> Thu	1157	1.2	37	<b>3</b> Fri	255	0.0	0	<b>18</b> Sat	1151	1.2	37
	1003	0.5	15		1117	0.8	24		1055	1.1	34		2045	0.0	0		1114	1.5	46		2112	-0.2	-6
	1439	0.3	9		1739	0.3	9		1827	0.1	3						1940	-0.2	-6				
	2124	0.9	27		2313	0.6	18		2316	0.4	12												
<b>4</b> Mon	434	0.1	3	<b>19</b> Tue	505	0.2	6	<b>4</b> Thu	359	0.2	6	<b>19</b> Fri	1232	1.2	37	<b>4</b> Sat	108	0.1	3	<b>19</b> Sun	1227	1.2	37
	1046	0.6	18		1202	0.9	27		1143	1.3	40		2132	-0.1	-3		328	0.0	0		2150	-0.2	-6
	1602	0.3	9		1915	0.2	6		1945	0.0	0						1207	1.6	49				
	2218	0.8	24														2035	-0.3	-9				