





## Cristobal, Caribbean Sea

### Times and Heights of High and Low Waters - year 2019

July				August				September											
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
1	721	-0.2	-6		16	825	-0.3	-9		1	132	0.9	27		16	232	0.6	18	
Mon	2321	1.3	40		Tue					Thu	823	-0.1	-3		Mon	840	0.3	9	
					☉					●	1451	0.8	24		1514	0.7	21		
											2047	0.1	3		2156	0.3	9		
2	807	-0.3	-9		17	26	1.2	37		2	244	0.8	24		17	341	0.5	15	
Tue					Wed	913	-0.3	-9		Fri	907	-0.1	-3		Tue	857	0.3	9	
●											1545	0.9	27		1541	0.8	24		
											2213	0.0	0		2253	0.2	6		
3	9	1.3	40		18	109	1.1	34		3	357	0.7	21		18	441	0.5	15	
Wed	848	-0.4	-12		Thu	952	-0.3	-9		Sat	951	0.0	0		Wed	913	0.3	9	
											1636	1.1	34		1610	0.9	27		
											2326	0.0	0		2339	0.1	3		
4	100	1.3	40		19	151	1.0	30		4	507	0.6	18		19	529	0.4	12	
Thu	926	-0.4	-12		Fri	1024	-0.2	-6		Sun	1034	0.0	0		Thu	934	0.3	9	
											1725	1.2	37		1642	1.0	30		
5	154	1.3	40		20	231	0.9	27		5	29	-0.1	-3		20	20	0.0	0	
Fri	1002	-0.4	-12		Sat	1049	-0.2	-6		Mon	611	0.5	15		Fri	608	0.4	12	
	1652	0.3	9								1117	0.0	0		1001	0.3	9		
	1934	0.2	6								1812	1.3	40		1718	1.1	34		
6	249	1.2	37		21	312	0.8	24		6	126	-0.2	-6		21	58	0.0	0	
Sat	1037	-0.4	-12		Sun	1108	-0.2	-6		Tue	710	0.5	15		Sat	641	0.4	12	
	1725	0.5	15			1831	0.5	15			1200	0.1	3		1037	0.2	6		
	2123	0.3	9			2219	0.4	12		☉	1858	1.3	40		1757	1.2	37		
7	345	1.0	30		22	354	0.7	21		7	220	-0.2	-6		22	136	-0.1	-3	
Sun	1111	-0.4	-12		Mon	1124	-0.1	-3		Wed	804	0.4	12		Sun	713	0.4	12	
	1802	0.7	21			1837	0.6	18		☉	1101	0.1	3		☉	1119	0.2	6	
	2259	0.3	9			2343	0.4	12		●	1814	1.0	30		●	1839	1.3	40	
8	442	0.9	27		23	438	0.6	18		8	312	-0.2	-6		23	215	-0.1	-3	
Mon	1144	-0.4	-12		Tue	1139	-0.1	-3		Thu	856	0.4	12		Mon	748	0.4	12	
	1841	0.8	24			1851	0.7	21			1319	0.1	3		1207	0.1	3		
										☉	2029	1.2	37		1924	1.3	40		
9	27	0.2	6		24	53	0.3	9		9	403	-0.1	-3		24	254	-0.1	-3	
Tue	542	0.7	21		Wed	524	0.5	15		Fri	947	0.4	12		Tue	829	0.4	12	
☉	1217	-0.3	-9			1153	-0.1	-3			1357	0.2	6		1302	0.1	3		
	1921	1.0	30			1911	0.9	27		2018	1.3	40		2011	1.3	40			
10	147	0.1	3		25	155	0.2	6		10	351	-0.2	-6		25	334	-0.1	-3	
Wed	644	0.5	15		Thu	612	0.4	12		Sat	903	0.3	9		Tue	916	0.5	15	
	1250	-0.3	-9			1208	-0.1	-3			1331	0.0	0		1404	0.1	3		
	2003	1.2	37		☉	1936	1.0	30			2102	1.3	40		2103	1.2	37		
11	303	0.0	0		26	253	0.1	3		11	450	-0.2	-6		26	415	-0.1	-3	
Thu	749	0.3	9		Fri	702	0.3	9		Sun	1008	0.2	6		Thu	1009	0.6	18	
	1321	-0.2	-6			1226	-0.1	-3			1401	0.0	0		1517	0.2	6		
	2046	1.2	37			2006	1.1	34			2146	1.3	40		2159	1.1	34		
12	415	-0.1	-3		27	348	0.0	0		12	550	-0.2	-6		27	458	0.0	0	
Fri	900	0.2	6		Sat	755	0.2	6		Mon	1120	0.2	6		Thu	1107	0.7	21	
	1350	-0.1	-3			1247	-0.1	-3			1426	0.1	3		Fri	1641	0.2	6	
	2129	1.3	40			2041	1.2	37			2231	1.2	37		2303	0.9	27		
13	523	-0.2	-6		28	442	0.0	0		13	649	-0.1	-3		28	543	0.0	0	
Sat	1019	0.1	3		Sun	851	0.1	3		Tue	2314	1.1	34		Sat	1207	0.8	24	
	1415	0.0	0			1314	-0.1	-3						●	1815	0.2	6		
	2213	1.3	40			2121	1.3	40											
14	628	-0.2	-6		29	534	-0.1	-3		14	744	-0.1	-3		29	17	0.8	24	
Sun	1154	0.1	3		Mon	955	0.1	3		Wed	2358	1.0	30		Sun	629	0.1	3	
	1431	0.0	0			1348	-0.1	-3							1307	1.0	30		
	2258	1.3	40			2205	1.3	40					☉	1903	0.4	12			
15	729	-0.3	-9		30	625	-0.2	-6		15	833	-0.1	-3		15	139	0.7	21	
Mon	2342	1.2	37		Tue	1109	0.0	0		Thu				☉	718	0.1	3		
						1430	-0.1	-3							1405	1.1	34		
						2253	1.3	40		●					2110	0.0	0		
					31	712	-0.2	-6		31	24	1.0	30						
					Wed	1231	0.1	3		Sat	738	-0.1	-3						
						1526	0.0	0			1352	0.6	18						
						2344	1.3	40			1909	0.2	6						

compiled by: AARH



New Moon



First Quarter



Full Moon



Last Quarter

