

## Cristobal, Caribbean Sea

### Times and Heights of High and Low Waters - year 2011

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 Sat	152	-0.1	-3		16 Sun	52	-0.1	-3		1 Tue	5	0.1	3		16 Wed	226	0.0	0		1 Tue	235	0.0	0		16 Wed	148	0.0	0	
	953	1.5	46			917	1.3	40			256	0.0	0			1010	1.1	34			953	1.0	30			848	0.9	27	
	1806	-0.2	-6			1749	-0.1	-3			1106	1.1	34			1754	-0.2	-6			1731	-0.1	-3			1557	-0.2	-6	
	2313	0.1	3			2156	0.0	0			1923	-0.2	-6			2318	0.2	6			2316	0.2	6			2147	0.4	12	
2 Sun	221	0.0	0		17 Mon	119	-0.1	-3		2 Wed	1153	1.0	30		17 Thu	338	0.0	0		2 Wed	327	0.1	3		17 Thu	301	0.0	0	
	1040	1.4	43			957	1.3	40			2009	-0.1	-3			1102	1.0	30			1041	0.8	24			940	0.8	24	
	1906	-0.2	-6			1835	-0.2	-6			1833	-0.2	-6			1816	-0.1	-3			1816	-0.1	-3			1633	-0.1	-3	
						2310	0.0	0																		2243	0.5	15	
3 Mon	1128	1.4	43		18 Tue	152	-0.1	-3		3 Thu	1240	0.9	27		18 Fri	26	0.3	9		3 Thu	15	0.3	9		18 Fri	426	0.0	0	
	2000	-0.3	-9			1041	1.3	40			2048	-0.1	-3			510	0.1	3			432	0.2	6			1041	0.7	21	
						1915	-0.2	-6								1201	0.9	27			1131	0.7	21			1712	-0.1	-3	
																1912	-0.2	-6			1857	0.0	0			2342	0.7	21	
4 Tue	1216	1.3	40		19 Wed	35	0.0	0		4 Fri	352	0.3	9		19 Sat	130	0.5	15		4 Fri	112	0.4	12		19 Sat	601	0.0	0	
	2048	-0.2	-6			239	-0.1	-3			624	0.2	6			655	0.1	3			559	0.2	6			1153	0.5	15	
						1128	1.2	37			1329	0.7	21			1308	0.7	21			1228	0.6	18			1755	-0.1	-3	
						1951	-0.2	-6			2118	-0.1	-3			1952	-0.1	-3			1931	0.1	3						
5 Wed	1303	1.1	34		20 Thu	152	0.1	3		5 Sat	417	0.4	12		20 Sun	229	0.7	21		5 Sat	159	0.4	12		20 Sun	41	0.8	24	
	2129	-0.2	-6			359	0.0	0			825	0.3	9			837	0.0	0			741	0.2	6			734	-0.1	-3	
						1219	1.2	37			1422	0.6	18			1421	0.6	18			1336	0.4	12			1316	0.4	12	
						2024	-0.2	-6			2141	0.0	0			2034	-0.1	-3			1959	0.1	3			1843	-0.1	-3	
6 Thu	1348	1.0	30		21 Fri	247	0.3	9		6 Sun	438	0.5	15		21 Mon	323	0.9	27		6 Sun	237	0.5	15		21 Mon	141	1.0	30	
	2202	-0.2	-6			555	0.2	6			1003	0.3	9			1004	-0.1	-3			911	0.1	3			856	-0.2	-6	
						1314	1.0	30			1517	0.5	15			1536	0.5	15			1450	0.4	12			1441	0.3	9	
						2056	-0.2	-6			2159	0.0	0			2118	-0.1	-3			2021	0.1	3			1935	0.0	0	
7 Fri	1433	0.9	27		22 Sat	332	0.5	15		7 Mon	459	0.6	18		22 Tue	415	1.0	30		7 Mon	309	0.6	18		22 Tue	238	1.1	34	
	2229	-0.2	-6			756	0.3	9			1117	0.2	6			1116	-0.2	-6			1019	0.1	3			1005	-0.3	-9	
						1415	0.9	27			1611	0.4	12			1646	0.4	12			1600	0.3	9			1558	0.3	9	
						2129	-0.2	-6			2215	0.0	0			2203	-0.1	-3			2041	0.2	6			2031	0.0	0	
8 Sat	549	0.5	15		23 Sun	416	0.7	21		8 Tue	522	0.7	21		23 Wed	505	1.1	34		8 Tue	340	0.7	21		23 Wed	334	1.1	34	
	936	0.4	12			944	0.2	6			1214	0.1	3			1219	-0.3	-9			1110	0.0	0			1105	-0.4	-12	
	1518	0.8	24			1519	0.7	21			1702	0.3	9			1750	0.3	9			1656	0.3	9			1703	0.3	9	
	2250	-0.1	-3			2203	-0.2	-6			2232	0.0	0			2249	-0.1	-3			2100	0.2	6			2128	0.0	0	
9 Sun	605	0.7	21		24 Mon	459	0.9	27		9 Wed	547	0.8	24		24 Thu	555	1.2	37		9 Wed	412	0.8	24		24 Thu	428	1.2	37	
	1108	0.4	12			1113	0.1	3			1303	0.1	3			1315	-0.3	-9			1152	-0.1	-3			1158	-0.4	-12	
	1603	0.6	18			1626	0.6	18			1748	0.3	9			1848	0.3	9			1739	0.2	6			1800	0.3	9	
	2308	-0.1	-3			2238	-0.2	-6			2250	0.0	0			2335	-0.1	-3			2123	0.1	3			2224	0.0	0	
10 Mon	623	0.8	24		25 Tue	543	1.1	34		10 Thu	616	0.9	27		25 Fri	644	1.2	37		10 Thu	445	0.9	27		25 Fri	520	1.2	37	
	1224	0.3	9			1229	0.0	0			1347	0.0	0			1409	-0.3	-9			1230	-0.1	-3			1248	-0.4	-12	
	1650	0.5	15			1732	0.4	12			1830	0.2	6			1941	0.3	9			1811	0.2	6			1850	0.3	9	
	2324	-0.1	-3			2315	-0.2	-6			2311	0.0	0								2152	0.1	3			2319	0.0	0	
11 Tue	644	0.9	27		26 Wed	627	1.2	37		11 Fri	647	1.0	30		26 Sat	20	-0.1	-3		11 Fri	520	0.9	27		26 Sat	611	1.1	34	
	1327	0.3	9			1336	-0.1	-3			1430	-0.1	-3			732	1.2	37			1306	-0.2	-6			1335	-0.4	-12	
	1738	0.4	12			1836	0.3	9			1908	0.2	6			1501	-0.3	-9			1838	0.2	6			1938	0.4	12	
	2340	0.0	0			2352	-0.2	-6			2337	-0.1	-3			2033	0.2	6			2226	0.0	0						
12 Mie	708	1.0	30		27 Thu	713	1.3	40		12 Sat	722	1.1	34		27 Sun	105	-0.1	-3		12 Sat	557	1.0	30		27 Sun	12	0.0	0	
	1424	0.2	6			1438	-0.2	-6			1512	-0.1	-3			820	1.2	37			1341	-0.2	-6			659	1.1	34	
	1827	0.3	9			1938	0.2	6			1946	0.1	3			1552	-0.3	-9			1905	0.2	6			1419	-0.3	-9	
	2356	0.0	0													2125	0.2	6			2306	0.0	0			2023	0.4	12	
13 Thu	736	1.1	34		28 Fri	30	-0.2	-6		13 Sun	8	-0.1	-3		28 Mon	149	0.0	0		13 Sun	636	1.1	34		28 Mon	105	0.0	0	
	1517	0.1	3			759	1.4	43			1554	-0.1	-3			907	1.1	34			1415	-0.2	-6			746	1.0	30	
	1915	0.2	6			1537	-0.2	-6			2027	0.1	3			1642	-0.2	-6			1936	0.2	6			1500	-0.3	-9	
						2039	0.2	6								2218	0.2	6			2353	0.0	0			2107	0.4	12	
14 Fri	12	0.0	0		29 Sat	108	-0.1	-3		14 Mon	45	-0.1	-3		14 Mon	717	1.1	34		14 Mon	717	1.1	34		29 Tue	200	0.1	3	
	806	1.2	37			846	1.4	43			840	1.2	37			1449	-0.2	-6			1449	-0.2	-6			833	0.8	24	
	1609	0.0	0			1635	-0.2	-6			1635	-0.1	-3			2013	0.2	6			2013	0.2	6			1539	-0.2	-6	
	2004	0.1	3			2141	0.1	3			2116	0.1	3													2151	0.4	12	
15 Sat	31	0.0	0		30 Sun	145	-0.1	-3		15 Tue	130	-0.1	-3		15 Tue	46	0.0	0		15 Tue	46	0.0	0		30 Wed	300	0.1	3	
	840	1.2	37			932	1.3	40			923	1.2	37			800	1.0	30			800	1.0	30			920	0.7	21	
	1700	-0.1	-3			1733	-0.2	-6			1715	-0.2	-6			1522	-0.2	-6			1522	-0.2	-6			1613	-0.1	-3	
	2056	0.1	3			2248	0.1	3			2213	0.1	3			2057	0.3	9			2057	0.3	9			2234	0.5	15	
				31 Mon	221	0.0	0														31 Thu	410	0.1	3					
					1019	1.2	37		1830	-0.2	-6											1011	0.5	15					

compiled by: EAAR-HM



New Moon

## Cristobal, Caribbean Sea

### Times and Heights of High and Low Waters - year 2011

April				May				June																
Hour		Height		Hour		Height		Hour		Height		Hour		Height										
	h	m	ft	cm		h	m	ft	cm		h	m	ft	cm										
<b>1</b> Fri	532	0.1	3	16	511	-0.1	-3	<b>1</b> Sun	725	-0.1	-3	<b>16</b> Mon	652	-0.3	-9	<b>1</b> Wed	849	-0.3	-9	<b>16</b> Thu	12	1.4	43	
	1113	0.4	12	Sat	1029	0.4	12		2335	0.9	27		1207	0.1	3		837	-0.4	-12					
	1706	0.1	3	17	1559	-0.1	-3		Mon	826	-0.1		-3	1538	-0.1		-3	9	1.1		34	104	1.3	40
	2355	0.6	18	Sun	2312	1.0	30		Tue	1353	0.1		3	1622	0.0		0	926	-0.3		-9	924	-0.4	-12
<b>2</b> Sat	701	0.1	3	17	637	-0.2	-6	<b>2</b> Mon	826	-0.1	-3	<b>17</b> Tue	756	-0.4	-12	<b>2</b> Thu	9	1.1	34	<b>17</b> Fri	104	1.3	40	
	1238	0.3	9	Sun	1157	0.2	6		Mon	1028	-0.3		-9	1353	0.1		3	926	-0.3		-9	924	-0.4	-12
	1723	0.2	6	Sat	1641	-0.1	-3		Tue	1028	-0.3		-9	1622	0.0		0	926	-0.3		-9	924	-0.4	-12
				Sun					Wed	1721	0.0		0	2008	0.2		6	926	-0.3		-9	924	-0.4	-12
<b>3</b> Sun	33	0.6	18	18	7	1.1	34	<b>3</b> Tue	11	0.9	27	<b>18</b> Wed	35	1.3	40	<b>3</b> Fri	51	1.1	34	<b>18</b> Sat	155	1.2	37	
	822	0.0	0	Mon	753	-0.3	-9		Tue	914	-0.2		-6	852	-0.5		-15	957	-0.4		-12	1005	-0.4	-12
	1434	0.2	6	Sat	1335	0.2	6		Wed	213	1.0		30	852	-0.5		-15	957	-0.4		-12	1719	0.3	9
	1728	0.1	3	Sun	1731	0.0	0		Thu	1058	-0.4		-12	2131	0.3		9	2138	0.3		9	1934	0.2	6
<b>4</b> Mon	110	0.7	21	19	104	1.2	37	<b>4</b> Wed	50	1.0	30	<b>19</b> Thu	130	1.3	40	<b>4</b> Sat	135	1.1	34	<b>19</b> Sun	245	1.0	30	
	925	-0.1	-3	Tue	859	-0.4	-12		Thu	954	-0.3		-9	942	-0.5		-15	1023	-0.4		-12	1041	-0.4	-12
				Wed	1505	0.2	6		Fri	1028	-0.5		-15	1633	0.2		6	1023	-0.4		-12	1750	0.5	15
				Thu	1831	0.1	3		Sat	1721	0.0		0	1841	0.1		3	2008	0.2		6	2117	0.4	12
<b>5</b> Tue	148	0.8	24	20	201	1.2	37	<b>5</b> Thu	131	1.0	30	<b>20</b> Fri	225	1.2	37	<b>5</b> Sun	220	1.1	34	<b>20</b> Mon	333	0.9	27	
	1012	-0.2	-6	Wed	956	-0.5	-15		Thu	1028	-0.3		-9	1028	-0.5		-15	1046	-0.4		-12	1112	-0.3	-9
				Thu	1617	0.2	6		Fri	2008	0.2		6	1721	0.0		0	2249	0.4		12	1820	0.6	18
				Fri	1940	0.1	3		Sat	213	1.0		30	2008	0.2		6	2138	0.3		9	2249	0.4	12
<b>6</b> Wed	226	0.8	24	21	257	1.2	37	<b>6</b> Fri	213	1.0	30	<b>21</b> Sat	317	1.1	34	<b>6</b> Mon	307	1.0	30	<b>21</b> Tue	420	0.7	21	
	1052	-0.2	-6	Thu	1048	-0.5	-15		Sat	1058	-0.4		-12	1109	-0.5		-15	1107	-0.4		-12	1138	-0.3	-9
				Fri	1714	0.3	9		Sun	1125	-0.4		-12	1802	0.4		12	1813	0.4		12	1848	0.7	21
				Sat	2050	0.1	3		Mon	2118	0.2		6	2131	0.3		9	2138	0.3		9	1848	0.7	21
<b>7</b> Thu	306	0.9	27	22	352	1.2	37	<b>7</b> Sat	257	1.0	30	<b>22</b> Sun	407	1.0	30	<b>7</b> Tue	356	0.9	27	<b>22</b> Wed	12	0.3	9	
	1126	-0.3	-9	Fri	1134	-0.5	-15		Sun	1146	-0.4		-12	1129	-0.4		-12	1129	-0.4		-12	505	0.6	18
				Sat	1803	0.4	12		Mon	1840	0.5		15	1829	0.6		18	1829	0.6		18	1200	-0.2	-6
				Sun	2158	0.1	3		Tue	2250	0.3		9	2320	0.3		9	2320	0.3		9	1915	0.8	24
<b>8</b> Fri	346	0.9	27	23	444	1.1	34	<b>8</b> Sun	341	1.0	30	<b>23</b> Mon	454	0.9	27	<b>8</b> Wed	448	0.7	21	<b>23</b> Thu	126	0.3	9	
	1158	-0.3	-9	Sat	1218	-0.5	-15		Mon	1149	-0.4		-12	1218	-0.4		-12	1152	-0.3		-9	552	0.5	15
				Sun	1848	0.4	12		Tue	1848	0.3		9	1915	0.6		18	1857	0.8		24	1219	-0.2	-6
				Mon	2303	0.2	6		Wed	2118	0.2		6	2118	0.2		6	1857	0.8		24	1942	0.9	27
<b>9</b> Sat	426	1.0	30	24	533	1.0	30	<b>9</b> Mon	426	1.0	30	<b>24</b> Tue	6	0.3	9	<b>9</b> Thu	49	0.2	6	<b>24</b> Fri	233	0.2	6	
	1227	-0.3	-9	Sun	1257	-0.4	-12		Tue	1211	-0.4		-12	539	0.7		21	543	0.6		18	640	0.3	9
	1849	0.2	6	Mon	1929	0.5	15		Wed	1855	0.4		12	1246	-0.3		-9	1218	-0.3		-9	1235	-0.1	-3
	2142	0.1	3	Tue	2009	0.5	15		Thu	2250	0.2		6	1948	0.7		21	1932	1.0		30	2009	1.0	30
<b>10</b> Sun	508	1.0	30	25	6	0.2	6	<b>10</b> Tue	512	0.9	27	<b>25</b> Wed	120	0.3	9	<b>10</b> Fri	210	0.1	3	<b>25</b> Sat	337	0.1	3	
	1255	-0.3	-9	Mon	621	0.9	27		Wed	1235	-0.3		-9	624	0.6		18	643	0.4		12	731	0.2	6
	1904	0.3	9	Tue	1333	-0.3	-9		Thu	1919	0.6		18	1310	-0.2		-6	1246	-0.3		-9	1249	-0.1	-3
	2246	0.1	3	Wed	2009	0.5	15		Fri	2019	0.8		24	2019	0.8		24	2012	1.2		37	2038	1.0	30
<b>11</b> Mon	551	1.0	30	26	110	0.2	6	<b>11</b> Wed	14	0.2	6	<b>26</b> Thu	234	0.2	6	<b>11</b> Sat	326	0.0	0	<b>26</b> Sun	437	0.0	0	
	1322	-0.3	-9	Thu	706	0.8	24		Thu	601	0.8		24	709	0.4		12	749	0.2		6	828	0.1	3
	1930	0.3	9	Fri	1404	-0.2	-6		Fri	1259	-0.3		-9	1328	-0.1		-3	1316	-0.3		-9	1259	0.0	0
	2352	0.1	3	Sat	2047	0.6	18		Sun	1951	0.7		21	2049	0.9		27	2055	1.3		40	2108	1.1	34
<b>12</b> Tue	635	0.9	27	27	217	0.2	6	<b>12</b> Thu	136	0.2	6	<b>27</b> Fri	347	0.1	3	<b>12</b> Sun	438	-0.1	-3	<b>27</b> Mon	536	-0.1	-3	
	1350	-0.3	-9	Wed	751	0.6	18		Thu	653	0.6		18	759	0.3		9	904	0.1		3	934	0.0	0
	2003	0.5	15	Thu	1431	-0.2	-6		Fri	1326	-0.3		-9	1342	-0.1		-3	1348	-0.2		-6	1303	-0.1	-3
				Fri	2122	0.7	21		Sat	2029	0.9		27	2118	0.9		27	2141	1.4		43	2141	1.2	37
<b>13</b> Wed	103	0.1	3	28	329	0.2	6	<b>13</b> Fri	259	0.1	3	<b>28</b> Sat	501	0.1	3	<b>13</b> Mon	545	-0.3	-9	<b>28</b> Tue	632	-0.1	-3	
	723	0.8	24	Thu	840	0.4	12		Sat	753	0.4		12	901	0.2		6	1029	0.0		0	2217	1.2	37
	1418	-0.2	-6	Fri	1452	-0.1	-3		Mon	1355	-0.2		-6	1348	0.0		0	1421	-0.1		-3	2230	1.4	43
	2044	0.6	18	Sat	2156	0.7	21		Tue	2112	1.1		34	2148	1.0		30	2230	1.4		43	2230	1.4	43
<b>14</b> Thu	219	0.1	3	29	448	0.1	3	<b>14</b> Sat	422	0.0	0	<b>29</b> Sun	610	0.0	0	<b>14</b> Tue	648	-0.3	-9	<b>29</b> Wed	723	-0.2	-6	
	815	0.7	21	Fri	937	0.3	9		Sun	903	0.3		9	1026	0.1		3	1206	0.0		0	2255	1.2	37
	1449	-0.2	-6	Sat	1505	0.0	0		Mon	1426	-0.2		-6	1341	0.0		0	1456	-0.1		-3			
	2129	0.7	21	Sun	2229	0.8	24		Tue	2159	1.2		37	2219	1.0		30	2320	1.4		43			
<b>15</b> Fri	343	0.0	0	30	610	0.0	0	<b>15</b> Sun	540	-0.2	-6	<b>30</b> Mon	712	-0.1	-3	<b>15</b> Wed	745	-0.4	-12	<b>30</b> Thu	807	-0.2	-6	
	916	0.5	15	Sat	1057	0.2	6		Mon	1027	0.1		3	2253	1.1		34	745	-0.4		-12	2336	1.2	37
	1522	-0.2	-6	Sun	1506	0.1	3		Tue	1500	-0.1		-3											
	2219	0.9	27	Mon	2301	0.8	24		Wed	2249	1.3		40											

compiled by: EAAR-HM



New Moon



First Quarter



## Cristobal, Caribbean Sea

### Times and Heights of High and Low Waters - year 2011

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 Fri ☉	842		-0.3	-9	16 Sat	41		1.1	34	1 Mon	47		1.0	30	16 Tue	219		0.6	18	1 Thu	311		0.5	15					
							857		-0.3		-9		829			-0.1	-3		915			0.1	3		839		0.0	0	
2 Sat	20		1.2	37	17 Sun	132		1.0	30	2 Tue	147		0.8	24	17 Wed	320		0.5	15	2 Fri	423		0.5	15	17 Sat	551		0.4	12
		910		-0.3		-9		934			-0.2	-6		859			-0.1	-3			939		0.1	3			926		0.0
3 Sun	106		1.1	34	18 Mon	1642		0.4	12	3 Wed	1543		0.7	21	18 Thu	1633		0.7	21	3 Sat	1630		1.3	40	18 Sun	15		0.0	0
		934		-0.3		-9		1941			0.3	9		2114			0.2	6			2306		0.2	6			2349		-0.2
4 Mon	156		1.0	30	19 Tue	222		0.9	27	4 Thu	252		0.7	21	19 Fri	418		0.5	15	4 Sun	527		0.4	12	19 Mon	621		0.4	12
		957		-0.3		-9		1006			-0.2	-6		932			-0.1	-3			1000		0.1	3			1015		0.0
5 Tue	1659		0.4	12	20 Wed	1711		0.5	15	5 Fri	1626		0.9	27	20 Sat	1701		0.8	24	5 Mon	1721		1.3	40	20 Tue	1701		1.1	34
		2026		0.3		9		2130			0.4	12		2245			0.1	3			1701		0.8	24			1721		1.3
6 Wed	250		0.9	27	21 Thu	403		0.6	18	6 Sat	400		0.6	18	21 Sun	1		0.1	3	6 Tue	45		-0.2	-6	21 Wed	49		0.0	0
		1021		-0.3		-9		1054			-0.1	-3		1006			-0.1	-3			510		0.4	12			624		0.4
7 Thu	1720		0.6	18	22 Fri	1803		0.8	24	7 Sun	1043		-0.1	-3	22 Mon	1021		0.1	3	7 Wed	1104		0.0	0	22 Thu	1013		0.3	9
		2219		0.3		9		2300			0.3	9		1710			1.1	34			1729		0.9	27			1811		1.4
8 Fri	2219		0.3	9	23 Sat	403		0.6	18	8 Mon	506		0.4	12	23 Tue	47		0.1	3	8 Thu	137		-0.2	-6	23 Fri	122		0.0	0
		2219		0.3		9		1803			0.8	24		1043			-0.1	-3			555		0.4	12			717		0.4
9 Sat	2219		0.3	9	24 Sun	1803		0.8	24	9 Tue	1043		-0.1	-3	24 Wed	1041		0.1	3	9 Fri	1153		0.0	0	24 Sat	1053		0.2	6
		2219		0.3		9		1803			0.8	24		1755			1.2	37			1800		1.0	30			1901		1.4
10 Sun	2219		0.3	9	25 Mon	1803		0.8	24	10 Wed	1755		1.2	37	25 Thu	1800		1.0	30	10 Sat	1901		1.4	43	25 Sun	1815		1.2	37
		2219		0.3		9		1803			0.8	24		1755			1.2	37			1800		1.0	30			1901		1.4
11 Mon	2219		0.3	9	26 Tue	1803		0.8	24	11 Thu	1755		1.2	37	26 Fri	1800		1.0	30	11 Sun	1901		1.4	43	26 Mon	1815		1.2	37
		2219		0.3		9		1803			0.8	24		1755			1.2	37			1800		1.0	30			1901		1.4
12 Tue	2219		0.3	9	27 Wed	1803		0.8	24	12 Fri	1755		1.2	37	27 Sat	1800		1.0	30	12 Thu	1901		1.4	43	27 Tue	1815		1.2	37
		2219		0.3		9		1803			0.8	24		1755			1.2	37			1800		1.0	30			1901		1.4
13 Wed	2219		0.3	9	28 Thu	1803		0.8	24	13 Sat	1755		1.2	37	28 Sun	1800		1.0	30	13 Tue	1901		1.4	43	28 Wed	1815		1.2	37
		2219		0.3		9		1803			0.8	24		1755			1.2	37			1800		1.0	30			1901		1.4
14 Thu	2219		0.3	9	29 Fri	1803		0.8	24	14 Sun	1755		1.2	37	29 Mon	1800		1.0	30	14 Wed	1901		1.4	43	29 Thu	1815		1.2	37
		2219		0.3		9		1803			0.8	24		1755			1.2	37			1800		1.0	30			1901		1.4
15 Fri	2219		0.3	9	30 Sat	1803		0.8	24	15 Mon	1755		1.2	37	30 Tue	1800		1.0	30	15 Thu	1901		1.4	43	30 Fri	1815		1.2	37
		2219		0.3		9		1803			0.8	24		1755			1.2	37			1800		1.0	30			1901		1.4
16 Sat	2219		0.3	9	31 Sun	1803		0.8	24	16 Tue	1755		1.2	37	31 Wed	1800		1.0	30	16 Thu	1901		1.4	43	31 Fri	1815		1.2	37
		2219		0.3		9		1803			0.8	24		1755			1.2	37			1800		1.0	30			1901		1.4

compiled by: EAAR-HM



New Moon



First Quarter



Full Moon



Last Quarter

## Cristobal, Caribbean Sea

### Times and Heights of High and Low Waters - year 2011

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										
<b>1 Sat</b>	441	0.4	12		<b>16 Sun</b>	1524	1.1	34		<b>1 Tue</b>	626	0.6	18		<b>16 Wed</b>	1558	1.1	34		<b>1 Thu</b>	653	0.8	24		<b>16 Fri</b>	615	0.7	21	
	846	0.2	6			2344	-0.1	-3			1034	0.4	12			2354	-0.2	-6			1149	0.4	12			1053	0.5	15	
	1553	1.4	43								1705	1.3	40								1722	0.9	27			1617	0.8	24	
	2330	-0.3	-9																		1810	0.7	21			2328	-0.2	-6	
<b>2 Sun</b>	538	0.5	15		<b>17 Mon</b>	1604	1.2	37		<b>2 Wed</b>	32	-0.3	-9		<b>17 Thu</b>	653	0.6	18		<b>2 Fri</b>	27	-0.2	-6		<b>17 Sat</b>	637	0.9	27	
	948	0.2	6								709	0.7	21			1022	0.5	15			729	0.9	27			1225	0.4	12	
	1647	1.4	43								1145	0.4	12			1642	1.0	30			1307	0.4	12			1711	0.7	21	
											1755	1.1	34								1810	0.7	21			2351	-0.2	-6	
<b>3 Mon</b>	19	-0.3	-9		<b>18 Tue</b>	12	-0.1	-3		<b>3 Thu</b>	108	-0.2	-6		<b>18 Fri</b>	13	-0.1	-3		<b>3 Sat</b>	53	-0.1	-3		<b>18 Sun</b>	708	1.1	34	
	629	0.5	15			704	0.4	12			750	0.8	24			707	0.7	21			803	1.0	30			1345	0.3	9	
	1048	0.2	6			912	0.3	9			1255	0.4	12			1151	0.5	15			1423	0.3	9			1809	0.5	15	
	1739	1.4	43			1644	1.2	37			1844	1.0	30			1729	0.9	27			1900	0.6	18						
<b>4 Tue</b>	105	-0.3	-9		<b>19 Wed</b>	38	-0.1	-3		<b>4 Fri</b>	141	-0.1	-3		<b>19 Sat</b>	34	-0.1	-3		<b>4 Sun</b>	115	0.0	0		<b>19 Mon</b>	17	-0.2	-6	
	716	0.6	18			707	0.5	15			829	0.9	27			733	0.9	27			835	1.1	34			745	1.3	40	
	1147	0.2	6			1024	0.4	12			1408	0.4	12			1315	0.4	12			1537	0.3	9			1458	0.1	3	
	1830	1.3	40			1725	1.1	34			1933	0.8	24			1820	0.8	24			1953	0.4	12			1913	0.4	12	
<b>5 Wed</b>	149	-0.2	-6		<b>20 Thu</b>	102	-0.1	-3		<b>5 Sat</b>	209	0.0	0		<b>20 Sun</b>	57	-0.1	-3		<b>5 Mon</b>	131	0.0	0		<b>20 Tue</b>	46	-0.2	-6	
	802	0.6	18			724	0.6	18			906	0.9	27			807	1.1	34			906	1.1	34			826	1.4	43	
	1246	0.2	6			1132	0.4	12			1523	0.3	9			1437	0.3	9			1648	0.2	6			1607	0.0	0	
	1919	1.2	37			1807	1.1	34			2025	0.6	18			1917	0.6	18			2054	0.3	9			2023	0.2	6	
<b>6 Thu</b>	230	-0.1	-3		<b>21 Fri</b>	125	-0.1	-3		<b>6 Sun</b>	232	0.1	3		<b>21 Mon</b>	123	-0.1	-3		<b>6 Tue</b>	140	0.1	3		<b>21 Wed</b>	119	-0.1	-3	
	846	0.7	21			751	0.7	21			942	1.0	30			846	1.3	40			937	1.2	37			912	1.5	46	
	1348	0.3	9			1244	0.3	9			1643	0.3	9			1557	0.2	6			1756	0.1	3			1712	-0.1	-3	
	2008	1.0	30			1853	1.0	30			2125	0.5	15			2023	0.4	12			2214	0.2	6			2140	0.1	3	
<b>7 Fri</b>	308	0.0	0		<b>22 Sat</b>	150	0.0	0		<b>7 Mon</b>	247	0.2	6		<b>22 Tue</b>	153	-0.1	-3		<b>7 Wed</b>	136	0.1	3		<b>22 Thu</b>	155	-0.1	-3	
	931	0.7	21			825	0.8	24			1016	1.0	30			930	1.4	43			1009	1.2	37			1000	1.6	49	
	1454	0.3	9			1401	0.3	9			1802	0.2	6			1713	0.0	0			1857	0.0	0			1813	-0.2	-6	
	2059	0.9	27			1942	0.8	24			2246	0.4	12			2142	0.3	9								2307	0.1	3	
<b>8 Sat</b>	342	0.1	3		<b>23 Sun</b>	216	0.0	0		<b>8 Tue</b>	249	0.2	6		<b>23 Wed</b>	225	0.0	0		<b>8 Thu</b>	1042	1.2	37		<b>23 Fri</b>	234	0.0	0	
	1013	0.8	24			905	1.0	30			1049	1.1	34			1018	1.5	46			1952	-0.1	-3			1050	1.6	49	
	1608	0.3	9			1523	0.3	9			1915	0.1	3			1823	-0.1	-3								1910	-0.3	-9	
	2153	0.7	21			2040	0.7	21								2316	0.2	6											
<b>9 Sun</b>	411	0.2	6		<b>24 Mon</b>	245	0.0	0		<b>9 Wed</b>	1122	1.1	34		<b>24 Thu</b>	302	0.0	0		<b>9 Fri</b>	1117	1.2	37		<b>24 Sat</b>	42	0.1	3	
	1055	0.8	24			951	1.1	34			2015	0.0	0			1110	1.6	49			2038	-0.1	-3			317	0.0	0	
	1732	0.3	9			1649	0.2	6								1926	-0.2	-6								1142	1.5	46	
	2300	0.6	18			2150	0.5	15																		2004	-0.3	-9	
<b>10 Mon</b>	433	0.3	9		<b>25 Tue</b>	318	0.1	3		<b>10 Thu</b>	1157	1.1	34		<b>25 Fri</b>	59	0.2	6		<b>10 Sat</b>	1154	1.3	40		<b>25 Sun</b>	1236	1.4	43	
	1134	0.9	27			1040	1.3	40			2104	0.0	0			345	0.1	3			2117	-0.2	-6			2052	-0.3	-9	
	1859	0.2	6			1812	0.0	0								1203	1.6	49											
						2316	0.4	12								2022	-0.3	-9											
<b>11 Tue</b>	31	0.4	12		<b>26 Wed</b>	356	0.1	3		<b>11 Fri</b>	1234	1.2	37		<b>26 Sat</b>	239	0.2	6		<b>11 Sun</b>	1233	1.2	37		<b>26 Mon</b>	1329	1.3	40	
	447	0.3	9			1133	1.4	43			2144	-0.1	-3			440	0.1	3			2148	-0.2	-6			2136	-0.3	-9	
	1213	0.9	27			1927	-0.1	-3								1258	1.5	46											
	2016	0.2	6													2114	-0.3	-9											
<b>12 Wed</b>	1250	1.0	30		<b>27 Thu</b>	56	0.3	9		<b>12 Sat</b>	1312	1.2	37		<b>27 Sun</b>	355	0.3	9		<b>12 Mon</b>	1314	1.2	37		<b>27 Tue</b>	432	0.4	12	
	2115	0.1	3			441	0.2	6			2218	-0.1	-3			557	0.2	6			2213	-0.2	-6			712	0.3	9	
						1229	1.4	43								1354	1.5	46								1422	1.2	37	
						2032	-0.2	-6								2200	-0.4	-12								2214	-0.3	-9	
<b>13 Thu</b>	1327	1.0	30		<b>28 Fri</b>	232	0.3	9		<b>13 Sun</b>	1353	1.2	37		<b>28 Mon</b>	449	0.4	12		<b>13 Tue</b>	1356	1.2	37		<b>28 Wed</b>	513	0.5	15	
	2202	0.0	0			538	0.2	6			2248	-0.2	-6			729	0.3	9			2234	-0.2	-6			856	0.4	12	
						1326	1.5	46								1448	1.4	43								1515	1.0	30	
						2129	-0.3	-9								2243	-0.4	-12								2249	-0.3	-9	
<b>14 Fri</b>	1406	1.0	30		<b>29 Sat</b>	350	0.4	12		<b>14 Mon</b>	1434	1.2	37		<b>29 Tue</b>	534	0.5	15		<b>14 Wed</b>	1441	1.1	34		<b>29 Thu</b>	550	0.7	21	
	2240	0.0	0			649	0.3	9			2313	-0.2	-6			900	0.4	12			2251	-0.2	-6			1032	0.4	12	
						1423	1.5	46								1541	1.2	37								1607	0.8	24	
						2220	-0.3	-9								2322	-0.3	-9								2318	-0.2	-6	
<b>15 Sat</b>	1445	1.1	34		<b>30 Sun</b>	450	0.4	12		<b>15 Tue</b>	1516	1.2	37		<b>30 Wed</b>	615	0.7	21		<b>15 Thu</b>	614	0.5	15		<b>30 Fri</b>	623	0.8	24	
	2314	-0.1	-3			805	0.3	9			2334	-0.2	-6			1027	0.4	12			900	0.4	12			1157	0.4	12	
						1519	1.5	46								1632	1.1	34			1527	1.0	30			1657	0.7	21	
						2308	-0.4	-12								2356	-0.3	-9			2309	-0.2	-6			2344	-0.1	-3	
				<b>31 Mon</b>	540	0.5	15																						
					921	0.4	12																						
					1613	1.4	43																						
					2351	-0.3	-9																						

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New Moon

