

## Cristóbal, Mar Caribe 2019

### Horas y Niveles de Mareas Altas y Bajas

Enero				Febrero				Marzo																
Hora		Nivel		Hora		Nivel		Hora		Nivel		Hora		Nivel										
h	m	pies	cm	h	m	pies	cm	h	m	pies	cm	h	m	pies	cm									
<b>1</b> <b>Mar</b>	146	-0.1	-3	<b>16</b> <b>Mié</b>	39	-0.1	-3	<b>1</b> <b>Vie</b>	206	0.0	0	<b>16</b> <b>Sáb</b>	124	-0.1	-3	<b>1</b> <b>Vie</b>	130	0.0	0	<b>16</b> <b>Sáb</b>	32	-0.1	-3	
	915	1.3	40		822	1.2	37		1009	1.2	37		912	1.3	40		852	1.1	34		753	1.2	37	
	1651	0.0	0		1607	0.0	0		1829	-0.2	-6		1704	-0.2	-6		1636	-0.2	-6		1524	-0.3	-9	
	2133	0.2	6		2006	0.2	6						2158	0.1	3		2207	0.2	6		2051	0.2	6	
<b>2</b> <b>Mié</b>	210	0.0	0	<b>17</b> <b>Jue</b>	103	-0.1	-3	<b>2</b> <b>Sáb</b>	9	0.1	3	<b>17</b> <b>Dom</b>	214	-0.1	-3	<b>2</b> <b>Sáb</b>	159	0.0	0	<b>17</b> <b>Dom</b>	127	-0.1	-3	
	957	1.3	40		900	1.3	40		211	0.0	0		1002	1.3	40		933	1.0	30		842	1.1	34	
	1801	-0.1	-3		1704	-0.1	-3		1050	1.1	34		1754	-0.3	-9		1728	-0.2	-6		1609	-0.3	-9	
	2301	0.1	3		2112	0.1	3		1927	-0.2	-6		2307	0.1	3		2304	0.2	6		2144	0.3	9	
<b>3</b> <b>Jue</b>	226	0.0	0	<b>18</b> <b>Vie</b>	133	-0.1	-3	<b>3</b> <b>Dom</b>	1131	1.1	34	<b>18</b> <b>Lun</b>	314	-0.1	-3	<b>3</b> <b>Dom</b>	226	0.1	3	<b>18</b> <b>Lun</b>	229	-0.1	-3	
	1039	1.3	40		942	1.3	40		2020	-0.2	-6		1056	1.2	37		1014	0.9	27		936	1.1	34	
	1906	-0.2	-6		1758	-0.2	-6						1843	-0.3	-9		1819	-0.1	-3		1654	-0.2	-6	
					2226	0.0	0														2242	0.4	12	
<b>4</b> <b>Vie</b>	1121	1.3	40	<b>19</b> <b>Sáb</b>	209	-0.1	-3	<b>4</b> <b>Lun</b>	1211	1.0	30	<b>19</b> <b>Mar</b>	20	0.2	6	<b>4</b> <b>Lun</b>	9	0.2	6	<b>19</b> <b>Mar</b>	342	0.0	0	
	2005	-0.2	-6		1029	1.4	43		2104	-0.2	-6		429	0.0	0		252	0.1	3		1034	0.9	27	
					1850	-0.2	-6		●	1153	1.1		34	1153	1.1		34	1055	0.8		24	1741	-0.2	-6
					2350	0.0	0		○	1931	-0.3		-9	1931	-0.3		-9	1908	-0.1		-3	2345	0.5	15
<b>5</b> <b>Sáb</b>	1202	1.2	37	<b>20</b> <b>Dom</b>	255	-0.1	-3	<b>5</b> <b>Mar</b>	1252	0.9	27	<b>20</b> <b>Mié</b>	131	0.3	9	<b>5</b> <b>Mar</b>	124	0.2	6	<b>20</b> <b>Mié</b>	508	0.0	0	
	2056	-0.2	-6		1119	1.4	43		2137	-0.2	-6		600	0.1	3		327	0.1	3		1139	0.8	24	
					1939	-0.3	-9						1256	1.0	30		1139	0.8	24		1828	-0.2	-6	
													2017	-0.3	-9		1951	0.0	0					
<b>6</b> <b>Dom</b>	1243	1.2	37	<b>21</b> <b>Lun</b>	117	0.1	3	<b>6</b> <b>Mié</b>	1335	0.8	24	<b>21</b> <b>Jue</b>	236	0.5	15	<b>6</b> <b>Mié</b>	226	0.2	6	<b>21</b> <b>Jue</b>	48	0.6	18	
	2139	-0.2	-6		356	0.0	0		2202	-0.1	-3		741	0.1	3		441	0.1	3		643	0.0	0	
	●				1213	1.4	43						1403	0.8	24		1228	0.7	21		1252	0.6	18	
					2024	-0.3	-9						2101	-0.3	-9		2024	0.0	0		1916	-0.1	-3	
<b>7</b> <b>Lun</b>	1322	1.1	34	<b>22</b> <b>Mar</b>	233	0.2	6	<b>7</b> <b>Jue</b>	1419	0.7	21	<b>22</b> <b>Vie</b>	333	0.6	18	<b>7</b> <b>Jue</b>	258	0.3	9	<b>22</b> <b>Vie</b>	148	0.7	21	
	2214	-0.2	-6		521	0.1	3		2220	-0.1	-3		917	0.1	3		637	0.2	6		817	-0.1	-3	
					1310	1.3	40						1512	0.7	21		1324	0.6	18		1411	0.5	15	
					2107	-0.4	-12						2144	-0.2	-6		2048	0.0	0		2004	-0.1	-3	
<b>8</b> <b>Mar</b>	1401	1.0	30	<b>23</b> <b>Mié</b>	333	0.3	9	<b>8</b> <b>Vie</b>	532	0.4	12	<b>23</b> <b>Sáb</b>	424	0.8	24	<b>8</b> <b>Vie</b>	319	0.4	12	<b>23</b> <b>Sáb</b>	245	0.8	24	
	2242	-0.2	-6		704	0.2	6		908	0.3	9		1042	0.0	0		829	0.2	6		938	-0.2	-6	
					1408	1.2	37		1507	0.6	18		1622	0.6	18		1427	0.5	15		1531	0.4	12	
					2147	-0.4	-12		2233	-0.1	-3		2225	-0.2	-6		2106	0.1	3		2053	0.0	0	
<b>9</b> <b>Mié</b>	1439	1.0	30	<b>24</b> <b>Jue</b>	424	0.5	15	<b>9</b> <b>Sáb</b>	532	0.5	15	<b>24</b> <b>Dom</b>	513	0.9	27	<b>9</b> <b>Sáb</b>	340	0.5	15	<b>24</b> <b>Dom</b>	338	0.9	27	
	2304	-0.2	-6		849	0.2	6		1042	0.3	9		1155	-0.1	-3		954	0.1	3		1047	-0.3	-9	
					1509	1.0	30		1556	0.5	15		1728	0.5	15		1530	0.4	12		1643	0.4	12	
					2226	-0.4	-12		2245	0.0	0		2306	-0.2	-6		2120	0.1	3		2141	0.0	0	
<b>10</b> <b>Jue</b>	1518	0.9	27	<b>25</b> <b>Vie</b>	510	0.7	21	<b>10</b> <b>Dom</b>	544	0.6	18	<b>25</b> <b>Lun</b>	559	1.0	30	<b>10</b> <b>Dom</b>	404	0.6	18	<b>25</b> <b>Lun</b>	428	1.0	30	
	2322	-0.2	-6		1025	0.2	6		1154	0.2	6		1259	-0.2	-6		1058	0.0	0		1145	-0.3	-9	
					1611	0.8	24		1647	0.4	12		1831	0.4	12		1628	0.3	9		1747	0.4	12	
					2304	-0.3	-9		2258	0.0	0		2345	-0.1	-3		2135	0.1	3		2228	0.0	0	
<b>11</b> <b>Vie</b>	651	0.5	15	<b>26</b> <b>Sáb</b>	555	0.9	27	<b>11</b> <b>Lun</b>	605	0.8	24	<b>26</b> <b>Mar</b>	643	1.1	34	<b>11</b> <b>Lun</b>	432	0.7	21	<b>26</b> <b>Mar</b>	515	1.1	34	
	1014	0.4	12		1151	0.1	3		1253	0.1	3		1356	-0.2	-6		1149	0.0	0		1237	-0.4	-12	
	1559	0.8	24		1714	0.7	21		1736	0.3	9		1929	0.3	9		1719	0.3	9		1842	0.3	9	
	2336	-0.1	-3		2340	-0.3	-9		2314	-0.1	-3		●					2156	0.1		3	2312	0.0	0
<b>12</b> <b>Sáb</b>	652	0.6	18	<b>27</b> <b>Dom</b>	638	1.0	30	<b>12</b> <b>Mar</b>	632	0.9	27	<b>27</b> <b>Mié</b>	22	-0.1	-3	<b>12</b> <b>Mar</b>	505	0.9	27	<b>27</b> <b>Mié</b>	601	1.1	34	
	1143	0.4	12		1308	0.0	0		1345	0.0	0		727	1.1	34		1234	-0.1	-3		1325	-0.4	-12	
	1641	0.6	18		1817	0.5	15		1825	0.3	9		1451	-0.2	-6		1802	0.2	6		1930	0.3	9	
	2350	-0.1	-3		●					2337	-0.1		-3	2023	0.3		9	2224	0.0		0	2355	0.1	3
<b>13</b> <b>Dom</b>	704	0.8	24	<b>28</b> <b>Lun</b>	15	-0.2	-6	<b>13</b> <b>Mié</b>	705	1.1	34	<b>28</b> <b>Jue</b>	57	0.0	0	<b>13</b> <b>Mié</b>	542	1.0	30	<b>28</b> <b>Jue</b>	644	1.0	30	
	1258	0.3	9		721	1.1	34		1435	-0.1	-3		810	1.1	34		1316	-0.2	-6		1410	-0.3	-9	
	1727	0.5	15		1418	-0.1	-3		1913	0.2	6		1543	-0.2	-6		1842	0.2	6		2015	0.3	9	
					1921	0.4	12						2115	0.2	6		2300	0.0	0		●			
<b>14</b> <b>Lun</b>	4	-0.1	-3	<b>29</b> <b>Mar</b>	48	-0.2	-6	<b>14</b> <b>Jue</b>	6	-0.1	-3	<b>14</b> <b>Jue</b>	622	1.1	34	<b>14</b> <b>Jue</b>	622	1.1	34	<b>29</b> <b>Vie</b>	36	0.1	3	
	724	0.9	27		803	1.2	37		743	1.2	37		1358	-0.2	-6		1921	0.2	6		726	1.0	30	
	1405	0.2	6		1524	-0.1	-3		1524	-0.1	-3		1921	0.2	6		1921	0.2	6		1453	-0.3	-9	
	1816	0.4	12		2024	0.3	9		2004	0.1	3		2343	-0.1	-3		2343	-0.1	-3		2056	0.3	9	
<b>15</b> <b>Mar</b>	20	-0.1	-3	<b>30</b> <b>Mié</b>	119	-0.1	-3	<b>15</b> <b>Vie</b>	41	-0.1	-3	<b>15</b> <b>Vie</b>	706	1.1	34	<b>15</b> <b>Vie</b>	706	1.1	34	<b>30</b> <b>Sáb</b>	115	0.1	3	
	750	1.0	30		846	1.2	37		826	1.2	37		1441	-0.3	-9		1441	-0.3	-9		807	0.9	27	
	1508	0.1	3		1626	-0.2	-6		1614	-0.2	-6		2004	0.2	6		2004	0.2	6		1534	-0.2	-6	
	1908	0.3	9		2129	0.2	6		2058	0.1	3										2137	0.3	9	
			<b>31</b> <b>Jue</b>	146	0.0	0										<b>31</b> <b>Dom</b>	155	0.1	3					
				928	1.2	37											847	0.8	24					
				1728	-0.2	-6											1613	-0.1	-3					
				2241	0.1	3											2218	0.3	9					

recopilado por: AARH



Luna Nueva



Cuarto Creciente



Luna Llena



Cuarto Menguante

## Cristóbal, Mar Caribe 2019

### Horas y Niveles de Mareas Altas y Bajas

Abril				Mayo				Junio															
Hora		Nivel		Hora		Nivel		Hora		Nivel		Hora		Nivel									
h	m	pies	cm	h	m	pies	cm	h	m	pies	cm	h	m	pies	cm	h	m	pies	cm				
<b>1 Lun</b>	240	0.1	3	<b>16 Mar</b>	259	0.0	0	<b>1 Mié</b>	411	0.2	6	<b>16 Jue</b>	508	0.0	0	<b>1 Vie</b>	703	-0.1	-3	<b>16 Dom</b>	748	-0.3	-9
	928	0.7	21		911	0.8	24		922	0.4	12		1009	0.3	9		1133	0.1	3				
	1650	-0.1	-3		1556	-0.2	-6		1541	0.0	0		1536	-0.1	-3		1423	0.0	0				
	2259	0.3	9		2226	0.7	21		2246	0.6	18		2258	1.1	34		2311	1.1	34				
<b>2 Mar</b>	335	0.2	6	<b>17 Mié</b>	424	0.0	0	<b>2 Jue</b>	536	0.1	3	<b>17 Vie</b>	632	-0.1	-3	<b>2 Sáb</b>	800	-0.2	-6	<b>17 Lun</b>	8	1.3	40
	1012	0.6	18		1016	0.6	18		1025	0.3	9		1142	0.2	6		2352	1.1	34		844	-0.4	-12
	1724	0.0	0		1637	-0.1	-3		1555	0.1	3		1609	0.0	0								
	2341	0.4	12		2320	0.8	24		2319	0.7	21		2347	1.1	34								
<b>3 Mié</b>	447	0.2	6	<b>18 Jue</b>	554	0.0	0	<b>3 Vie</b>	702	0.1	3	<b>18 Sáb</b>	747	-0.3	-9	<b>3 Dom</b>	846	-0.3	-9	<b>18 Mar</b>	54	1.2	37
	1104	0.5	15		1133	0.5	15		1200	0.2	6		1334	0.1	3						932	-0.4	-12
	1754	0.1	3		1719	-0.1	-3		1559	0.1	3		1640	0.0	0								
									2354	0.8	24												
<b>4 Jue</b>	22	0.4	12	<b>19 Vie</b>	14	0.9	27	<b>4 Sáb</b>	813	-0.1	-3	<b>19 Dom</b>	36	1.2	37	<b>4 Lun</b>	37	1.2	37	<b>19 Mié</b>	139	1.2	37
	618	0.2	6		723	-0.1	-3						850	-0.4	-12		926	-0.4	-12		1014	-0.4	-12
	1211	0.4	12		1303	0.3	9																
	1820	0.1	3		1804	0.0	0																
<b>5 Vie</b>	59	0.5	15	<b>20 Sáb</b>	109	1.0	30	<b>5 Dom</b>	33	0.9	27	<b>20 Lun</b>	125	1.2	37	<b>5 Mar</b>	126	1.2	37	<b>20 Jue</b>	223	1.1	34
	752	0.1	3		841	-0.2	-6		908	-0.2	-6		943	-0.4	-12		1003	-0.4	-12		1050	-0.4	-12
	1338	0.3	9		1439	0.3	9																
	1840	0.2	6		1853	0.1	3																
<b>6 Sáb</b>	135	0.6	18	<b>21 Dom</b>	202	1.0	30	<b>6 Lun</b>	115	1.0	30	<b>21 Mar</b>	214	1.2	37	<b>6 Mié</b>	216	1.3	40	<b>21 Vie</b>	304	1.0	30
	908	0.0	0		946	-0.3	-9		952	-0.3	-9		1029	-0.5	-15		1038	-0.5	-15		1120	-0.3	-9
	1511	0.3	9		1604	0.3	9																
	1858	0.2	6		1947	0.1	3																
<b>7 Dom</b>	212	0.7	21	<b>22 Lun</b>	254	1.1	34	<b>7 Mar</b>	200	1.1	34	<b>22 Mié</b>	300	1.1	34	<b>7 Jue</b>	307	1.2	37	<b>22 Sáb</b>	343	0.9	27
	1005	-0.1	-3		1041	-0.4	-12		1031	-0.4	-12		1110	-0.4	-12		1112	-0.5	-15		1146	-0.3	-9
	1629	0.2	6		1713	0.3	9										1808	0.3	9		1917	0.5	15
	1921	0.1	3		2043	0.2	6										2100	0.2	6		2215	0.4	12
<b>8 Lun</b>	250	0.8	24	<b>23 Mar</b>	343	1.1	34	<b>8 Mié</b>	247	1.1	34	<b>23 Jue</b>	345	1.0	30	<b>8 Vie</b>	359	1.1	34	<b>23 Dom</b>	421	0.8	24
	1051	-0.2	-6		1129	-0.4	-12		1107	-0.4	-12		1146	-0.4	-12		1145	-0.5	-15		1207	-0.3	-9
	1723	0.2	6		1806	0.3	9						1903	0.4	12		1835	0.5	15		1927	0.6	18
	1956	0.1	3		2139	0.2	6						2139	0.3	9		2234	0.3	9		2337	0.4	12
<b>9 Mar</b>	331	0.9	27	<b>24 Mié</b>	430	1.1	34	<b>9 Jue</b>	335	1.2	37	<b>24 Vie</b>	426	1.0	30	<b>9 Sáb</b>	452	1.0	30	<b>24 Lun</b>	459	0.7	21
	1131	-0.3	-9		1212	-0.4	-12		1142	-0.5	-15		1219	-0.4	-12		1217	-0.5	-15		1226	-0.2	-6
	1757	0.2	6		1851	0.4	12		1831	0.3	9		1928	0.4	12		1908	0.6	18		1942	0.6	18
	2043	0.1	3		2232	0.2	6		2103	0.2	6		2245	0.3	9								
<b>10 Mié</b>	414	1.0	30	<b>25 Jue</b>	514	1.0	30	<b>10 Vie</b>	424	1.2	37	<b>25 Sáb</b>	505	0.9	27	<b>10 Dom</b>	1	0.2	6	<b>25 Mar</b>	53	0.4	12
	1209	-0.3	-9		1252	-0.4	-12		1216	-0.5	-15		1247	-0.3	-9		545	0.9	27		539	0.6	18
	1825	0.2	6		1929	0.4	12		1853	0.3	9		1952	0.5	15		1249	-0.4	-12		1243	-0.2	-6
	2137	0.1	3		2323	0.2	6		2223	0.2	6		2348	0.3	9		1946	0.8	24		2001	0.8	24
<b>11 Jue</b>	458	1.1	34	<b>26 Vie</b>	556	1.0	30	<b>11 Sáb</b>	514	1.1	34	<b>26 Dom</b>	543	0.8	24	<b>11 Lun</b>	126	0.2	6	<b>26 Mié</b>	206	0.3	9
	1246	-0.4	-12		1328	-0.3	-9		1250	-0.5	-15		1312	-0.3	-9		641	0.7	21		622	0.5	15
	1853	0.2	6		2004	0.4	12		1923	0.4	12		2016	0.6	18		1321	-0.3	-9		1258	-0.1	-3
	2234	0.1	3						2339	0.2	6						2026	1.0	30		2024	0.9	27
<b>12 Vie</b>	545	1.1	34	<b>27 Sáb</b>	11	0.2	6	<b>12 Dom</b>	604	1.0	30	<b>27 Lun</b>	53	0.3	9	<b>12 Mar</b>	250	0.1	3	<b>27 Jue</b>	316	0.2	6
	1323	-0.4	-12		636	0.9	27		1324	-0.4	-12		621	0.7	21		742	0.5	15		710	0.3	9
	1926	0.3	9		1401	-0.3	-9		2000	0.6	18		1334	-0.2	-6		1351	-0.3	-9		1312	-0.1	-3
	2333	0.1	3		2038	0.4	12						2041	0.6	18		2108	1.1	34		2050	1.0	30
<b>13 Sáb</b>	632	1.1	34	<b>28 Dom</b>	101	0.2	6	<b>13 Lun</b>	55	0.2	6	<b>28 Mar</b>	201	0.3	9	<b>13 Mié</b>	412	0.0	0	<b>28 Vie</b>	425	0.1	3
	1401	-0.4	-12		714	0.8	24		656	0.9	27		700	0.6	18		851	0.3	9		806	0.2	6
	2004	0.3	9		1431	-0.2	-6		1357	-0.4	-12		1353	-0.2	-6		1420	-0.2	-6		1325	-0.1	-3
					2110	0.5	15		2041	0.7	21		2106	0.7	21		2152	1.2	37		2121	1.1	34
<b>14 Dom</b>	35	0.0	0	<b>29 Lun</b>	155	0.2	6	<b>14 Mar</b>	216	0.1	3	<b>29 Mié</b>	315	0.2	6	<b>14 Jue</b>	531	-0.1	-3	<b>29 Sáb</b>	530	0.0	0
	722	1.0	30		753	0.7	21		752	0.7	21		743	0.4	12		1014	0.2	6		914	0.1	3
	1438	-0.3	-9		1459	-0.1	-3		1431	-0.3	-9		1409	-0.1	-3		1447	-0.1	-3		1338	-0.1	-3
	2047	0.4	12		2142	0.5	15		2124	0.8	24		2133	0.8	24		2236	1.3	40		2156	1.2	37
<b>15 Lun</b>	143	0.0	0	<b>30 Mar</b>	258	0.2	6	<b>15 Mié</b>	340	0.1	3	<b>30 Jue</b>	434	0.2	6	<b>15 Vie</b>	644	-0.2	-6	<b>30 Dom</b>	629	-0.1	-3
	814	0.9	27		834	0.6	18		854	0.5	15		835	0.3	9		1158	0.1	3		1040	0.0	0
	1517	-0.3	-9		1522	-0.1	-3		1504	-0.2	-6		1421	0.0	0		1507	0.0	0		1352	-0.1	-3
	2135	0.5	15		2214	0.6	18		2210	1.0	30		2202	0.9	27		2322	1.3	40		2236	1.3	40
												<b>31 Vie</b>	553	0.1	3								
													946	0.2	6								
													1427	0.0	0								
													2234	1	30								

recopilado por: AARH



Luna Nueva



Cuarto Creciente



Luna Llena



Cuarto Menguante

## Cristóbal, Mar Caribe 2019

Horas y Niveles de Mareas Altas y Bajas

Julio				Agosto				Septiembre															
Hora		Nivel		Hora		Nivel		Hora		Nivel		Hora		Nivel									
h	m	pies	cm	h	m	pies	cm	h	m	pies	cm	h	m	pies	cm								
1	721	-0.2	-6	16	825	-0.3	-9	1	756	-0.3	-9	16	42	0.9	27	1	132	0.9	27	16	232	0.6	18
Lun	2321	1.3	40	Mar				Jue	1349	0.2	6	Vie	911	0.0	0	Dom	823	-0.1	-3	Lun	840	0.3	9
				○				●	1644	0.1	3						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	40	1.2	37	17	128	0.8	24	2	244	0.8	24	17	341	0.5	15
Mar				Mié	913	-0.3	-9	Vie	838	-0.3	-9	Sáb	941	0.0	0	Lun	907	-0.1	-3	Mar	857	0.3	9
●									1453	0.3	9		1703	0.4	12		1545	0.9	27		1541	0.8	24
									1825	0.2	6		1922	0.3	9		2213	0.0	0		2253	0.2	6
3	9	1.3	40	18	109	1.1	34	3	138	1.1	34	18	216	0.7	21	3	357	0.7	21	18	441	0.5	15
Mié	848	-0.4	-12	Jue	952	-0.3	-9	Sáb	917	-0.3	-9	Dom	1002	0.0	0	Mar	951	0.0	0	Mié	913	0.3	9
									1547	0.5	15		1701	0.5	15		1636	1.1	34		1610	0.9	27
									2012	0.2	6		2119	0.4	12		2326	0.0	0		2339	0.1	3
4	100	1.3	40	19	151	1.0	30	4	240	1.0	30	19	307	0.7	21	4	507	0.6	18	19	529	0.4	12
Jue	926	-0.4	-12	Vie	1024	-0.2	-6	Dom	956	-0.3	-9	Lun	1018	0.1	3	Mié	1034	0.0	0	Jue	934	0.3	9
									1635	0.7	21		1710	0.6	18		1725	1.2	37		1642	1.0	30
									2152	0.2	6		2243	0.3	9								
5	154	1.3	40	20	231	0.9	27	5	344	0.9	27	20	359	0.6	18	5	29	-0.1	-3	20	20	0.0	0
Vie	1002	-0.4	-12	Sáb	1049	-0.2	-6	Lun	1033	-0.3	-9	Mar	1031	0.1	3	Jue	611	0.5	15	Vie	608	0.4	12
	1652	0.3	9						1720	0.9	27		1726	0.7	21		1117	0.0	0		1001	0.3	9
	1934	0.2	6						2320	0.1	3		2348	0.3	9		1812	1.3	40		1718	1.1	34
6	249	1.2	37	21	312	0.8	24	6	449	0.7	21	21	451	0.5	15	6	126	-0.2	-6	21	58	0.0	0
Sáb	1037	-0.4	-12	Dom	1108	-0.2	-6	Mar	1110	-0.2	-6	Mié	1045	0.1	3	Vie	710	0.5	15	Sáb	641	0.4	12
	1725	0.5	15		1831	0.5	15		1805	1.0	30		1747	0.8	24	●	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	37	0.0	0	22	41	0.2	6	7	220	-0.2	-6	22	136	-0.1	-3
Dom	1111	-0.4	-12	Lun	1124	-0.1	-3	Mié	554	0.6	18	Jue	539	0.4	12	Sáb	804	0.4	12	Dom	713	0.4	12
	1802	0.7	21		1837	0.6	18	●	1147	-0.2	-6		1101	0.1	3		1240	0.1	3	●	1119	0.2	6
	2259	0.3	9		2343	0.4	12		1849	1.2	37		1814	1.0	30		1944	1.3	40		1839	1.3	40
8	442	0.9	27	23	438	0.6	18	8	146	-0.1	-3	23	129	0.1	3	8	312	-0.2	-6	23	215	-0.1	-3
Lun	1144	-0.4	-12	Mar	1139	-0.1	-3	Jue	658	0.4	12	Vie	624	0.3	9	Dom	856	0.4	12	Lun	748	0.4	12
	1841	0.8	24		1851	0.7	21		1223	-0.1	-3	●	1122	0.1	3		1319	0.1	3		1207	0.1	3
									1933	1.3	40		1845	1.1	34		2029	1.2	37		1924	1.3	40
9	27	0.2	6	24	53	0.3	9	9	249	-0.1	-3	24	215	0.0	0	9	403	-0.1	-3	24	254	-0.1	-3
Mar	542	0.7	21	Mié	524	0.5	15	Vie	801	0.3	9	Sáb	707	0.3	9	Lun	947	0.4	12	Mar	829	0.4	12
●	1217	-0.3	-9		1153	-0.1	-3		1258	-0.1	-3		1149	0.0	0		1357	0.2	6		1302	0.1	3
	1921	1.0	30		1911	0.9	27		2018	1.3	40		1922	1.2	37		2113	1.1	34		2011	1.3	40
10	147	0.1	3	25	155	0.2	6	10	351	-0.2	-6	25	301	0.0	0	10	454	0.0	0	25	334	-0.1	-3
Mié	644	0.5	15	Jue	612	0.4	12	Sáb	903	0.3	9	Dom	750	0.3	9	Mar	1040	0.4	12	Mié	916	0.5	15
	1250	-0.3	-9	●	1208	-0.1	-3		1331	0.0	0		1222	0.0	0		1434	0.2	6		1404	0.1	3
	2003	1.2	37		1936	1.0	30		2102	1.3	40		2002	1.3	40		2156	1.1	34		2103	1.2	37
11	303	0.0	0	26	253	0.1	3	11	450	-0.2	-6	26	346	-0.1	-3	11	544	0.0	0	26	415	-0.1	-3
Jue	749	0.3	9	Vie	702	0.3	9	Dom	1008	0.2	6	Lun	837	0.2	6	Mié	1137	0.4	12	Jue	1009	0.6	18
	1321	-0.2	-6		1226	-0.1	-3		1401	0.0	0		1303	0.0	0		1514	0.3	9		1517	0.2	6
	2046	1.2	37		2006	1.1	34		2146	1.3	40		2046	1.3	40		2241	1.0	30		2159	1.1	34
12	415	-0.1	-3	27	348	0.0	0	12	550	-0.2	-6	27	433	-0.1	-3	12	631	0.1	3	27	458	0.0	0
Vie	900	0.2	6	Sáb	755	0.2	6	Lun	1120	0.2	6	Mar	929	0.2	6	Jue	1237	0.4	12	Vie	1107	0.7	21
	1350	-0.1	-3		1247	-0.1	-3		1426	0.1	3		1351	0.0	0		1605	0.3	9		1641	0.2	6
	2129	1.3	40		2041	1.2	37		2231	1.2	37		2134	1.3	40		2327	0.9	27		2303	0.9	27
13	523	-0.2	-6	28	442	0.0	0	13	649	-0.1	-3	28	519	-0.1	-3	13	715	0.1	3	28	543	0.0	0
Sáb	1019	0.1	3	Dom	851	0.1	3	Mar	2314	1.1	34	Mié	1030	0.3	9	Vie	1334	0.4	12	Sáb	1207	0.8	24
	1415	0.0	0		1314	-0.1	-3						1450	0.0	0		1722	0.3	9	●	1815	0.2	6
	2213	1.3	40		2121	1.3	40						2225	1.3	40								
14	628	-0.2	-6	29	534	-0.1	-3	14	744	-0.1	-3	29	606	-0.1	-3	14	20	0.8	24	29	17	0.8	24
Dom	1154	0.1	3	Lun	955	0.1	3	Mié	2358	1.0	30	Jue	1137	0.3	9	Sáb	751	0.2	6	Dom	629	0.1	3
	1431	0.0	0		1348	-0.1	-3						1601	0.1	3	○	1417	0.5	15		1307	1.0	30
	2258	1.3	40		2205	1.3	40						2322	1.2	37		1903	0.4	12		1948	0.1	3
15	729	-0.3	-9	30	625	-0.2	-6	15	833	-0.1	-3	30	652	-0.1	-3	15	122	0.7	21	30	139	0.7	21
Lun	2342	1.2	37	Mar	1109	0.0	0	Jue				Vie	1246	0.4	12	Dom	819	0.2	6	Lun	718	0.1	3
					1430	-0.1	-3	○					1730	0.2	6		1448	0.6	18		1405	1.1	34
					2253	1.3	40										2041	0.3	9		2110	0.0	0
				31	712	-0.2	-6																
				Mié	1231	0.1	3																
					1526	0.0	0																
					2344	1.3	40																

recopilado por: AARH



Luna Nueva



Cuarto Creciente



Luna Llena



Cuarto Menguante

## Cristóbal, Mar Caribe 2019

### Horas y Niveles de Mareas Altas y Bajas

Octubre				Noviembre				Diciembre																					
Hora		Nivel		Hora		Nivel		Hora		Nivel		Hora		Nivel															
<b>1</b> Mar	h	m	pies	cm	<b>16</b> Mié	h	m	pies	cm	<b>1</b> Vie	h	m	pies	cm	<b>16</b> Sáb	h	m	pies	cm	<b>1</b> Dom	h	m	pies	cm	<b>16</b> Lun	h	m	pies	cm
	303	0.6	18			1427	1.0	30			546	0.5	15			1506	1.3	40			641	0.5	15			1528	1.2	37	
	809	0.2	6			2244	0.0	0			906	0.4	12			2327	-0.2	-6			921	0.4	12			2323	-0.3	-9	
	1500	1.2	37								1602	1.3	40								1609	1.2	37						
	2219	-0.1	-3								2349	-0.3	-9																
<b>2</b> Mié	420	0.5	15		<b>17</b> Jue	1506	1.1	34		<b>2</b> Sáb	633	0.6	18		<b>17</b> Dom	1554	1.3	40		<b>2</b> Lun	1	-0.3	-9		<b>17</b> Mar	618	0.6	18	
	902	0.2	6			2320	-0.1	-3			1008	0.4	12			2357	-0.3	-9			711	0.6	18			953	0.4	12	
	1553	1.3	40								1650	1.3	40								1035	0.5	15			1620	1.1	34	
	2318	-0.2	-6																		1651	1.1	34			2352	-0.3	-9	
<b>3</b> Jue	527	0.5	15		<b>18</b> Vie	1547	1.2	37		<b>3</b> Dom	31	-0.3	-9		<b>18</b> Lun	648	0.5	15		<b>3</b> Mar	32	-0.2	-6		<b>18</b> Mié	645	0.7	21	
	954	0.2	6			2354	-0.1	-3			714	0.6	18			939	0.4	12			739	0.7	21			1127	0.4	12	
	1643	1.3	40								1106	0.4	12			1641	1.3	40			1144	0.5	15			1713	1.0	30	
											1735	1.2	37								1731	0.9	27						
<b>4</b> Vie	11	-0.2	-6		<b>19</b> Sáb	638	0.4	12		<b>4</b> Lun	108	-0.2	-6		<b>19</b> Mar	26	-0.3	-9		<b>4</b> Mié	58	-0.2	-6		<b>19</b> Jue	21	-0.3	-9	
	624	0.5	15			853	0.3	9			752	0.6	18			708	0.6	18			805	0.7	21			719	0.9	27	
	1046	0.3	9			1630	1.2	37			1202	0.4	12			1103	0.4	12			1253	0.5	15			1254	0.3	9	
	1732	1.3	40								1818	1.1	34			1730	1.2	37			1809	0.8	24			1808	0.8	24	

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