

Balboa, Pacific Ocean

Times and Heights of High and Low Waters - year 2019

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 Tue	601	2.3	70		16 Wed	507	3.4	104		1 Fri	119	13.1	399		16 Sat	9	13.1	399		1 Fri	558	3.1	94		16 Sat	501	2.6	79											
	1224	13.4	408			1111	11.8	360			736	2.4	73			640	2.1	64			1232	11.6	354			1116	12.1	369											
	1821	3.0	91			1727	3.8	116			1358	12.6	384			1255	12.7	387			1824	4.1	125			1735	3.3	101		2347	12.9	393							
2 Wed	48	14.4	439		17 Thu	609	2.9	88		2 Sat	211	13.3	405		17 Sun	116	13.9	424		2 Sat	53	12.0	366		17 Sun	614	2.2	67		17 Sun	1235	12.9	393		17 Sun	1851	2.5	76	
	704	2.1	64			1220	12.3	375			829	1.9	58			747	1.0	30			705	3.0	91			1235	12.9	393											
	1324	13.6	415			1833	3.5	107			1447	13.1	399			1357	13.9	424			1334	11.9	363			1851	2.5	76											
3 Thu	142	14.5	442		18 Fri	41	13.8	421		3 Sun	257	13.6	415		18 Mon	216	15.0	457		3 Sun	150	12.3	375		18 Mon	100	13.7	418		18 Mon	724	1.2	37		18 Mon	1339	14.1	430	
	801	1.7	52			713	2.1	64			914	1.3	40			845	-0.3	-9			803	2.5	76			724	1.2	37											
	1416	13.9	424			1321	13.2	402			1530	13.6	415			1453	15.1	460			1424	12.5	381			1339	14.1	430											
4 Fri	230	14.7	448		19 Sat	138	14.6	445		4 Mon	339	13.9	424		19 Tue	312	16.0	488		4 Mon	237	12.8	390		19 Tue	202	14.8	451		19 Tue	825	0.0	0		19 Tue	1435	15.3	466	
	850	1.2	37			812	0.9	27			953	0.7	21			936	-1.5	-46			850	1.8	55			825	0.0	0											
	1503	14.2	433			1416	14.2	433			1610	14.0	427			1546	16.2	494			1506	13.2	402			1435	15.3	466											
5 Sat	314	14.8	451		20 Sun	232	15.5	472		5 Tue	418	14.1	430		20 Wed	406	16.8	512		5 Tue	318	13.3	405		20 Wed	257	15.8	482		20 Wed	917	-1.2	-37		20 Wed	1527	16.5	503	
	933	0.8	24			905	-0.3	-9			1029	0.2	6			1023	-2.5	-76			930	1.0	30			917	-1.2	-37											
	1547	14.4	439			1509	15.3	466			1647	14.4	439			1637	17.1	521			1544	13.8	421			1527	16.5	503											
6 Sun	355	14.9	454		21 Mon	326	16.3	497		6 Wed	455	14.3	436		21 Thu	458	17.2	524		6 Wed	356	13.8	421		21 Thu	349	16.7	509		21 Thu	1004	-2.1	-64		21 Thu	1616	17.3	527	
	1012	0.4	12			953	-1.4	-43			1104	0.0	0			1108	-2.9	-88			1006	0.4	12			1004	-2.1	-64											
	1628	14.6	445			1602	16.2	494			1722	14.7	448			1726	17.6	536			1619	14.4	439			1616	17.3	527											
7 Mon	435	14.9	454		22 Tue	419	16.9	515		7 Thu	530	14.4	439		22 Fri	547	17.3	527		7 Thu	431	14.2	433		22 Fri	440	17.2	524		22 Fri	1048	-2.5	-76		22 Fri	1704	17.7	540	
	1048	0.3	9			1040	-2.2	-67			1138	0.0	0			1153	-2.7	-82			1040	0.0	0			1048	-2.5	-76											
	1708	14.8	451			1654	16.9	515			1755	14.8	451			1814	17.6	536			1652	14.8	451			1704	17.7	540											
8 Tue	514	14.8	451		23 Wed	512	17.3	527		8 Fri	604	14.3	436		23 Sat	20	-2.2	-67		8 Fri	506	14.5	442		23 Sat	528	17.2	524		23 Sat	1131	-2.4	-73		23 Sat	1750	17.6	536	
	1124	0.4	12			1126	-2.5	-76			1212	0.3	9			636	16.9	515			1113	-0.1	-3			1131	-2.4	-73											
	1745	14.8	451			1745	17.4	530			1827	14.8	451			1239	-2.0	-61			1725	15.1	460			1750	17.6	536											
9 Wed	551	14.6	445		24 Thu	604	17.2	524		9 Sat	32	1.0	30		24 Sun	107	-1.5	-46		9 Sat	539	14.5	442		24 Sun	615	16.8	512		24 Sun	1215	-1.6	-49		24 Sun	1834	17.0	518	
	1200	0.6	18			1212	-2.3	-70			637	14.0	427			723	16.1	491			1146	0.0	0			1215	-1.6	-49											
	1821	14.7	448			1834	17.4	530			1247	0.8	24			1326	-0.9	-27			1756	15.1	460			1834	17.0	518											
10 Thu	19	1.9	58		25 Fri	40	-1.3	-40		10 Sun	109	1.4	43		25 Mon	158	-0.4	-12		10 Sun	5	0.1	3		25 Mon	42	-1.6	-49		25 Mon	700	16.0	488						
	627	14.2	433			654	16.8	512			710	13.7	418			811	14.9	454			611	14.4	439			700	16.0	488											
	1237	1.1	34			1301	-1.6	-49			1324	1.4	43			1416	0.4	12			1220	0.4	12			1259	-0.5	-15											
11 Fri	58	2.3	70		26 Sat	131	-0.6	-18		11 Mon	149	1.8	55		26 Tue	251	0.8	24		11 Mon	40	0.4	12		26 Tue	129	-0.4	-12		26 Tue	745	14.9	454						
	702	13.8	421			744	16.0	488			745	13.2	402			903	13.6	415			644	14.1	430			745	14.9	454											
	1316	1.7	52			1351	-0.6	-18			1403	2.1	64			1510	1.8	55			1255	1.0	30			1347	0.9	27											
12 Sat	140	2.7	82		27 Sun	226	0.2	6		12 Tue	233	2.3	70		27 Wed	349	1.9	58		12 Tue	118	0.9	27		27 Wed	219	0.9	27		27 Wed	833	13.7	418						
	738	13.3	405			836	14.9	454			825	12.6	384			1004	12.4	378			719	13.7	418			833	13.7	418											
	1357	2.4	73			1446	0.6	18			1449	2.7	82			1609	3.0	91			1334	1.6	49			1438	2.2	67											
13 Sun	225	3.1	94		28 Mon	324	1.1	34		13 Wed	324	2.7	82		28 Thu	451	2.7	82		13 Wed	201	1.5	46		28 Thu	313	2.1	64		28 Thu	928	12.5	381						
	817	12.7	387			934	13.8	421			915	12.1	369			1117	11.7	357			758	13.2	402			928	12.5	381											
	1441	3.0	91			1543	1.8	55			1543	3.3	101			1714	3.8	116			1419	2.4	73			1536	3.4	104											
14 Mon	314	3.4	104		29 Tue	424	1.9	58		14 Thu	423	2.8	85		29 Fri	252	2.0	61		14 Thu	252	2.0	61		29 Fri	414	3.1	94		29 Fri	1037	11.7	357						
	903	12.2	372			1041	12.8	390			1023	11.7	357			847	12.6	384			1514	3.0	91			1037	11.7	357											
	1531	3.5	107			1644	2.7	82			1646	3.5	107			1514	3.0	91			1936	14.3	436			1640	4.2	128											
15 Tue	408	3.5	107		30 Wed	528	2.4	73		15 Fri	530	2.7	82		15 Fri	352	2.5	76		15 Fri	352	2.5	76		30 Sat	519	3.6	110		30 Sat	1155	11.5	351						
	1001	11.8	360			1153	12.3	375			1142	11.9	363			953	12.1	369			1620	3.4	104			1155	11.5	351											
	1626	3.8	116			1748	3.4	104			1758	3.4	104			2224	12.7	387			2224	12.7	387			1750	4.5	137											
31 Thu	18	13.1	399																																				

Balboa, Pacific Ocean

Times and Heights of High and Low Waters - year 2019

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 Mon	120	11.9	363		16 Tue	45	13.8	421		1 Wed	128	12.4	378		16 Thu	128	14.9	454		1 Sat	210	13.7	418		16 Sun	254	15.3	466	
	727	3.2	98			701	1.6	49			734	3.3	101			738	1.4	43			824	2.8	85			900	1.6	49	
	1351	12.5	381			1320	14.7	448			1349	13.5	411			1353	16.0	488			1422	15.1	460			1508	16.2	494	
	1955	3.4	104			1938	1.3	40			2004	2.9	88			2014	0.5	15			2052	1.5	46			2130	0.3	9	
2 Tue	208	12.5	381		17 Wed	146	14.8	451		2 Thu	211	13.1	399		17 Fri	222	15.5	472		2 Sun	251	14.4	439		17 Mon	342	15.5	472	
	817	2.5	76			802	0.6	18			821	2.6	79			832	0.8	24			908	2.1	64			946	1.4	43	
	1432	13.3	405			1415	15.8	482			1427	14.3	436			1442	16.6	506			1502	15.7	479			1554	16.2	494	
	2041	2.5	76			2035	0.0	0			2047	2.0	61			2104	-0.3	-9			2133	0.7	21			2213	0.0	0	
3 Wed	249	13.2	402		18 Thu	240	15.8	482		3 Fri	249	13.8	421		18 Sat	312	16.0	488		3 Mon	333	15.0	457		18 Tue	428	15.6	475	
	859	1.7	52			855	-0.4	-12			903	1.9	58			921	0.3	9			950	1.5	46			1028	1.4	43	
	1508	14.0	427			1505	16.7	509			1503	15.0	457			1529	16.9	515			1544	16.2	494			1639	16.0	488	
	2121	1.5	46			2124	-1.1	-34			2125	1.0	30			2149	-0.9	-27			2214	0.0	0			2253	0.1	3	
4 Thu	326	13.8	421		19 Fri	331	16.5	503		4 Sat	327	14.4	439		19 Sun	400	16.3	497		4 Tue	417	15.5	472		19 Wed	513	15.5	472	
	937	1.0	30			942	-1.1	-34			941	1.3	40			1005	0.0	0			1031	1.0	30			1109	1.5	46	
	1543	14.7	448			1553	17.3	527			1539	15.5	472			1615	17.0	518			1628	16.5	503			1722	15.7	479	
	2157	0.7	21			2210	-1.9	-58			2202	0.3	9			2232	-1.0	-30			2254	-0.4	-12			2332	0.4	12	
5 Fri	401	14.3	436		20 Sat	420	16.9	515		5 Sun	404	14.9	454		20 Mon	446	16.3	497		5 Wed	503	15.9	485		20 Thu	555	15.4	469	
	1012	0.5	15			1027	-1.4	-43			1017	0.9	27			1047	0.2	6			1113	0.8	24			1149	1.9	58	
	1617	15.2	463			1639	17.5	533			1616	15.9	485			1700	16.7	509			1715	16.6	506			1803	15.2	463	
	2231	0.1	3			2253	-2.1	-64			2239	-0.2	-6			2313	-0.8	-24			2336	-0.5	-15						
6 Sat	436	14.7	448		21 Sun	507	16.9	515		6 Mon	443	15.3	466		21 Tue	532	16.0	488		6 Thu	550	16.1	491		21 Fri	12	0.9	27	
	1046	0.2	6			1109	-1.2	-37			1054	0.7	21			1129	0.6	18			1157	0.9	27			636	15.1	460	
	1651	15.5	472			1724	17.3	527			1654	16.1	491			1743	16.2	494			1803	16.5	503			1230	2.4	73	
	2305	-0.3	-9			2335	-1.8	-55			2315	-0.4	-12			2354	-0.2	-6			2354	-0.2	-6			1843	14.7	448	
7 Sun	511	14.9	454		22 Mon	553	16.5	503		7 Tue	523	15.4	469		22 Wed	616	15.6	475		7 Fri	21	-0.3	-9		22 Sat	52	1.6	49	
	1120	0.2	6			1151	-0.6	-18			1132	0.8	24			1210	1.4	43			638	16.1	491			716	14.7	448	
	1724	15.6	475			1808	16.7	509			1734	16.1	491			1826	15.5	472			1245	1.2	37			1313	3.0	91	
	2339	-0.3	-9								2354	-0.2	-6								1852	16.1	491			1922	14.1	430	
8 Mon	546	14.9	454		23 Tue	17	-1.0	-30		8 Wed	604	15.4	469		23 Thu	35	0.6	18		8 Sat	109	0.3	9		23 Sun	135	2.3	70	
	1154	0.5	15			637	15.9	485			1212	1.1	34			659	15.0	457			728	15.9	485			755	14.3	436	
	1759	15.6	475			1234	0.4	12			1816	15.9	485			1254	2.3	70			1338	1.7	52			1400	3.6	110	
						1851	15.8	482								1907	14.7	448			1945	15.6	475			2003	13.4	408	
9 Tue	15	0.0	0		24 Wed	101	0.1	3		9 Thu	36	0.2	6		24 Fri	119	1.6	49		9 Sun	203	0.9	27		24 Mon	221	3.0	91	
	622	14.7	448			721	14.9	454			647	15.2	463			741	14.3	436			821	15.5	472			836	13.8	421	
	1231	1.0	30			1319	1.6	49			1257	1.6	49			1341	3.2	98			1438	2.1	64			1450	4.1	125	
	1835	15.3	466			1933	14.7	448			1901	15.4	469			1950	13.8	421			2042	14.9	454			2047	12.8	390	
10 Wed	54	0.4	12		25 Thu	148	1.3	40		10 Fri	123	0.8	24		25 Sat	207	2.5	76		10 Mon	302	1.5	46		25 Tue	310	3.6	110	
	700	14.4	439			806	13.9	424			735	14.8	451			826	13.6	415			920	15.2	463			922	13.4	408	
	1312	1.6	49			1408	2.8	85			1349	2.2	67			1433	4.0	122			1541	2.4	73			1543	4.4	134	
	1914	14.8	451			2018	13.5	411			1951	14.8	451			2036	12.9	393			2147	14.4	439			2138	12.3	375	
11 Thu	138	1.1	34		26 Fri	239	2.4	73		11 Sat	217	1.5	46		26 Sun	258	3.4	104		11 Tue	404	2.0	61		26 Wed	401	4.1	125	
	743	13.9	424			856	13.0	396			828	14.4	439			916	13.0	396			1026	14.9	454			1014	13.2	402	
	1400	2.3	70			1504	3.9	119			1449	2.8	85			1529	4.5	137			1646	2.5	76			1637	4.4	134	
	2000	14.2	433			2110	12.4	378			2049	14.1	430			2130	12.2	372			2258	14.1	430			2239	12.1	369	
12 Fri	230	1.7	52		27 Sat	336	3.4	104		12 Sun	318	2.0	61		27 Mon	353	4.0	122		12 Wed	507	2.4	73		27 Thu	455	4.3	131	
	834	13.3	405			956	12.2	372			932	14.0	427			1014	12.7	387			1134	15.0	457			1111	13.2	402	
	1458	3.0	91			1606	4.5	137			1556	3.0	91			1628	4.7	143			1750	2.3	70			1733	4.2	128	
	2056	13.5	411			2216	11.7	357			2200	13.6	415			2235	11.8	360								2343	12.2	372	
13 Sat	332	2.3	70		28 Sun	437	3.9	119		13 Mon	423	2.4	73		28 Tue	450	4.3	131		13 Thu	7	14.2	433		28 Fri	551	4.3	131	
	940	12.9	393			1107	12.0	366			1045	14.0	427			1116	12.7	387			611	2.4	73			1206	13.6	415	
	1606	3.3	101			1711	4.8	146			1705	2.9	88			1727	4.6	140			1236	15.3	466			1830	3.7	113	
	2209	13.0	396			2332	11.5	351			2317	13.6	415			2342	11.9	363			1853	1.9	58						
14 Sun	440	2.5	76		29 Mon	540	4.1	125		14 Tue	531	2.3	70		29 Wed	548	4.3	131		14 Fri	109	14.5	442		29 Sat	40	12.7	387	
	1100	12.9	393			1213	12.2	372			1157	14.5	442			1212	13.1	399			712	2.3	70			649	4.0	122	
	1720	3.2	98			1815	4.5	137			1813	2.3	70			1825	4.1	125			1331	15.7	479			1257	14.2	433	
	2332	13.1	399																		1952	1.3	40			1926	2.9	88	
15 Mon	552	2.3	70		30 Tue	38	11.8	360		15 Wed	28	14.1	430		30 Thu	39	12.3	375		15 Sat	2								

Balboa, Pacific Ocean

Times and Heights of High and Low Waters - year 2019

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 Mon	218	14.2	433		16 Tue	326	14.7	448		1 Thu	335	16.1	491		16 Fri	430	15.1	460		1 Sun	456	18.2	555		16 Mon	506	15.8	482	
	837	2.6	79			929	2.3	70			953	0.5	15			1030	1.7	52			1108	-1.6	-49			1114	0.9	27	
	1431	15.6	475			1537	15.3	466			1552	17.0	518			1640	15.1	460			1718	18.1	552			1722	15.4	469	
	2106	0.9	27			2155	0.9	27			2217	-1.0	-30			2249	0.7	21			2327	-2.0	-61			2329	1.0	30	
2 Tue	306	15.0	457		17 Wed	411	15.0	457		2 Fri	426	16.9	515		17 Sat	506	15.4	469		2 Mon	545	18.4	561		17 Tue	538	15.8	482	
	925	1.7	52			1011	2.0	61			1040	-0.3	-9			1106	1.5	46			1153	-1.6	-49			1148	1.1	34	
	1519	16.3	497			1620	15.3	466			1644	17.5	533			1716	15.1	460			1808	18.0	549			1754	15.2	463	
	2151	0.0	0			2234	0.6	18			2302	-1.6	-49			2323	0.8	24											
3 Wed	355	15.7	479		18 Thu	454	15.2	463		3 Sat	517	17.5	533		18 Sun	540	15.5	472		3 Tue	13	-1.5	-46		18 Wed	3	1.4	43	
	1011	1.0	30			1050	1.8	55			1126	-0.8	-24			1141	1.5	46			633	18.1	552			610	15.6	475	
	1608	16.7	509			1702	15.3	466			1736	17.7	540			1751	15.0	457			1241	-1.1	-34			1222	1.4	43	
	2235	-0.7	-21			2311	0.6	18			2348	-1.6	-49			2357	1.0	30			1856	17.3	527			1827	14.9	454	
4 Thu	445	16.4	500		19 Fri	533	15.3	466		4 Sun	607	17.8	543		19 Mon	613	15.4	469		4 Wed	100	-0.6	-18		19 Thu	37	2.0	61	
	1056	0.4	12			1128	1.9	58			1214	-0.8	-24			1216	1.7	52			720	17.4	530			642	15.3	466	
	1659	17.0	518			1741	15.1	460			1827	17.5	533			1824	14.8	451			1331	-0.1	-3			1259	1.9	58	
	2319	-1.0	-30			2348	0.9	27													1946	16.3	497			1900	14.4	439	
5 Fri	535	16.8	512		20 Sat	611	15.2	463		5 Mon	35	-1.2	-37		20 Tue	32	1.5	46		5 Thu	151	0.7	21		20 Fri	114	2.7	82	
	1143	0.2	6			1206	2.1	64			656	17.7	540			645	15.2	463			809	16.3	497			716	14.8	451	
	1751	17.1	521			1818	14.8	451			1304	-0.4	-12			1253	2.1	64			1425	1.1	34			1339	2.6	79	
											1917	17.0	518			1857	14.4	439			2038	15.1	460			1938	13.8	421	
6 Sat	5	-0.9	-27		21 Sun	25	1.3	40		6 Tue	125	-0.4	-12		21 Wed	108	2.1	64		6 Fri	246	2.0	61		21 Sat	157	3.5	107	
	625	17.0	518			646	15.1	460			745	17.2	524			717	14.8	451			903	15.1	460			756	14.3	436	
	1231	0.3	9			1245	2.4	73			1357	0.3	9			1332	2.6	79			1524	2.2	67			1427	3.2	98	
	1842	16.9	515			1854	14.4	439			2009	16.1	491			1931	13.9	424			2138	13.9	424			2023	13.3	405	
7 Sun	54	-0.5	-15		22 Mon	103	1.9	58		7 Wed	218	0.6	18		22 Thu	147	2.9	88		7 Sat	346	3.3	101		22 Sun	250	4.1	125	
	715	16.9	515			721	14.8	451			837	16.3	497			751	14.4	439			1006	14.0	427			845	13.7	418	
	1324	0.7	21			1326	2.9	88			1454	1.2	37			1415	3.1	94			1628	3.1	94			1525	3.7	113	
	1934	16.4	500			1929	13.9	424			2104	15.0	457			2008	13.3	405			2251	13.0	396			2123	12.8	390	
8 Mon	146	0.2	6		23 Tue	144	2.5	76		8 Thu	314	1.7	52		23 Fri	231	3.6	110		8 Sun	452	4.1	125		23 Mon	354	4.5	137	
	806	16.5	503			756	14.4	439			933	15.4	469			831	13.9	424			1120	13.3	405			953	13.2	402	
	1420	1.2	37			1410	3.4	104			1554	2.0	61			1504	3.6	110			1735	3.6	110			1632	3.8	116	
	2028	15.7	479			2007	13.3	405			2207	14.0	427			2054	12.7	387								2242	12.7	387	
9 Tue	242	1.0	30		24 Wed	227	3.2	98		9 Fri	415	2.7	82		24 Sat	322	4.1	125		9 Mon	7	12.8	390		24 Tue	506	4.4	134	
	901	16.0	488			834	13.9	424			1038	14.5	442			921	13.5	411			602	4.5	137			1115	13.3	405	
	1520	1.7	52			1457	3.8	116			1657	2.6	79			1600	3.9	119			1233	13.1	399			1744	3.5	107	
	2128	14.9	454			2049	12.8	390			2318	13.4	408			2155	12.3	375			1842	3.6	110						
10 Wed	341	1.8	55		25 Thu	314	3.8	116		10 Sat	518	3.5	107		25 Sun	422	4.5	137		10 Tue	113	13.1	399		25 Wed	3	13.3	405	
	1001	15.4	469			918	13.6	415			1147	14.1	430			1026	13.2	402			709	4.3	131			620	3.8	116	
	1622	2.1	64			1548	4.0	122			1803	3.0	91			1703	3.9	119			1333	13.4	408			1231	14.1	430	
	2234	14.2	433			2140	12.3	375								2312	12.3	375			1943	3.2	98			1853	2.6	79	
11 Thu	442	2.4	73		26 Fri	405	4.2	128		11 Sun	29	13.2	402		26 Mon	530	4.4	134		11 Wed	205	13.6	415		26 Thu	109	14.5	442	
	1107	15.0	457			1011	13.3	405			625	3.8	116			1141	13.4	408			806	3.7	113			727	2.5	76	
	1725	2.4	73			1644	4.1	125			1252	14.0	427			1812	3.4	104			1421	13.9	424			1333	15.2	463	
	2344	13.9	424			2244	12.1	369			1908	2.9	88								2032	2.6	79			1955	1.4	43	
12 Fri	544	2.9	88		27 Sat	502	4.4	134		12 Mon	131	13.4	408		27 Tue	26	13.0	396		12 Thu	248	14.2	433		27 Fri	204	15.8	482	
	1212	14.9	454			1113	13.4	408			730	3.7	113			641	3.8	116			852	2.9	88			825	1.1	34	
	1829	2.4	73			1744	3.8	116			1349	14.1	430			1249	14.2	433			1502	14.4	439			1427	16.4	500	
						2353	12.4	378			2006	2.5	76			1918	2.5	76			2113	1.9	58			2048	0.1	3	
13 Sat	49	13.9	424		28 Sun	605	4.3	131		13 Tue	224	13.8	421		28 Wed	129	14.1	430		13 Fri	325	14.8	451		28 Sat	255	17.1	521	
	648	3.1	94			1216	13.8	421			826	3.3	101			747	2.7	82			931	2.2	67			916	-0.4	-12	
	1311	14.9	454			1846	3.2	98			1438	14.4	439			1349	15.2	463			1539	14.8	451			1519	17.4	530	
	1930	2.1	64								2055	2.0	61			2018	1.2	37			2149	1.4	43			2137	-1.0	-30	
14 Sun	147	14.1	430		29 Mon	55	13.1	399		14 Wed	310	14.3	436		29 Thu	224	15.3	466		14 Sat	400	15.3	466		29 Sun	344	18.0	549	
	748	3.0	91			710	3.7	113			912	2.7	82			844	1.3	40			1007	1.5	46			1003	-1.4	-43	
	1403	15.1	460			1313	14.5	442			1522	14.7	448			1443	16.3	497			1614	15.1	460			1609	18.1	552	
	2025	1.7	52			1946	2.3	70			2136	1.4	43			2110	-0.1	-3			2223	1.0	30			2222	-1.6	-49	
15 Mon	239	14.4	439		30 Tue	151	14.0	427		15 Thu	352	14.7	448		30 Fri	316	16.5	503		15 Sun	434								

Balboa, Pacific Ocean

Times and Heights of High and Low Waters - year 2019

October				November				December																					
Hour		Height		Hour		Height		Hour		Height		Hour		Height															
	h	m	ft	cm		h	m	ft	cm		h	m	ft	cm															
1 Tue	520	18.6	567		16 Wed	505	16.2	494		1 Fri	12	0.5	15		16 Sat	552	16.0	488		1 Sun	36	1.8	55		16 Mon	20	1.2	37	
	1132	-1.9	-58			1121	0.6	18			629	16.9	515			1213	0.8	24			651	15.4	469			625	16.0	488	
	1747	18.0	549			1727	15.5	472			1239	0.1	3			1823	15.4	469			1301	1.2	37			1242	0.2	6	
	2350	-1.2	-37			2336	1.5	46			1900	16.2	494								1924	15.1	460			1858	15.8	482	
2 Wed	607	18.2	555		17 Thu	538	16.0	488		2 Sat	59	1.7	52		17 Sun	33	2.2	67		2 Mon	123	2.8	85		17 Tue	109	1.5	46	
	1217	-1.2	-37			1155	0.9	27			715	15.8	482			635	15.6	475			736	14.4	439			714	15.6	475	
	1834	17.4	530			1801	15.3	466			1327	1.4	43			1256	1.3	40			1348	2.3	70			1331	0.8	24	
3 Thu	35	-0.2	-6		18 Fri	11	2.0	61		3 Sun	149	2.9	88		18 Mon	121	2.8	85		3 Tue	214	3.7	113		18 Wed	204	2.0	61	
	654	17.3	527			613	15.7	479			803	14.6	445			722	15.1	460			822	13.4	408			807	15.0	457	
	1304	-0.1	-3			1232	1.4	43			1420	2.6	79			1346	2.0	61			1439	3.2	98			1426	1.4	43	
	1922	16.3	497			1838	14.9	454			2040	14.1	430			1956	14.7	448			2059	13.6	415			2041	15.2	463	
4 Fri	124	1.2	37		19 Sat	50	2.6	79		4 Mon	246	4.0	122		19 Tue	217	3.3	101		4 Wed	311	4.3	131		19 Thu	304	2.3	70	
	741	16.1	491			650	15.2	463			857	13.4	408			816	14.4	439			915	12.6	384			907	14.3	436	
	1355	1.2	37			1313	2.1	64			1518	3.7	113			1444	2.6	79			1535	4.0	122			1527	2.0	61	
2013	15.1	460		1918	14.4	439		2140	13.2	402		2055	14.3	436		2155	13.1	399		2143	14.8	451							
5 Sat	217	2.6	79		20 Sun	134	3.3	101		5 Tue	350	4.8	146		20 Wed	321	3.6	110		5 Thu	410	4.7	143		20 Fri	408	2.4	73	
	832	14.8	451			733	14.6	445			1003	12.5	381			921	13.9	424			1019	12.0	366			1015	13.9	424	
	1452	2.5	76			1402	2.8	85			1620	4.3	131			1548	3.0	91			1632	4.4	134			1630	2.4	73	
2109	13.9	424		2005	13.9	424		2251	12.8	390		2204	14.2	433		2257	12.9	393		2251	14.7	448							
6 Sun	317	3.8	116		21 Mon	229	4.0	122		6 Wed	456	5.1	155		21 Thu	430	3.5	107		6 Fri	509	4.7	143		21 Sat	513	2.3	70	
	932	13.5	411			825	14.0	427			1120	12.2	372			1037	13.7	418			1128	11.9	363			1128	13.8	421	
	1554	3.6	110			1501	3.3	101			1724	4.6	140			1655	3.0	91			1730	4.5	137			1735	2.5	76	
2218	13.0	396		2105	13.4	408		2359	12.9	393		2318	14.5	442		2356	13.1	399		2359	14.9	454							
7 Mon	423	4.7	143		22 Tue	336	4.3	131		7 Thu	600	4.9	149		22 Fri	538	3.0	91		7 Sat	608	4.3	131		22 Sun	619	1.9	58	
	1047	12.7	387			933	13.5	411			1227	12.5	381			1153	14.1	430			1228	12.3	375			1236	14.2	433	
	1701	4.2	128			1608	3.6	110			1824	4.4	134			1802	2.7	82			1827	4.4	134			1840	2.4	73	
2336	12.7	387		2222	13.4	408																							
8 Tue	533	5.0	152		23 Wed	448	4.2	128		8 Fri	53	13.4	408		23 Sat	25	15.2	463		8 Sun	47	13.5	411		23 Mon	100	15.3	466	
	1205	12.6	384			1056	13.5	411			658	4.3	131			643	2.1	64			703	3.7	113			721	1.3	40	
	1808	4.3	131			1719	3.4	104			1318	13.0	396			1257	14.9	454			1317	12.8	390			1335	14.7	448	
				2342	13.9	424		1918	4.0	122		1905	2.0	61		1921	3.9	119		1941	2.0	61							
9 Wed	44	13.0	396		24 Thu	600	3.5	107		9 Sat	136	14.1	430		24 Sun	122	16.1	491		9 Mon	130	14.1	430		24 Tue	155	15.8	482	
	640	4.7	143			1213	14.2	433			748	3.5	107			743	1.1	34			753	2.9	88			818	0.6	18	
	1307	12.9	393			1828	2.7	82			1400	13.6	415			1353	15.7	479			1400	13.5	411			1429	15.2	463	
1909	3.9	119						2006	3.3	101		2003	1.3	40		2010	3.3	101		2037	1.5	46							
10 Thu	135	13.6	415		25 Fri	48	15.0	457		10 Sun	214	14.7	448		25 Mon	213	16.9	515		10 Tue	210	14.7	448		25 Wed	245	16.1	491	
	738	4.0	122			706	2.3	70			831	2.6	79			837	0.1	3			837	2.0	61			908	0.0	0	
	1355	13.5	411			1316	15.2	463			1437	14.3	436			1444	16.4	500			1440	14.1	430			1519	15.6	475	
2000	3.3	101		1931	1.7	52		2047	2.6	79		2055	0.6	18		2054	2.6	79		2126	1.0	30							
11 Fri	216	14.2	433		26 Sat	144	16.2	494		11 Mon	249	15.3	466		26 Tue	302	17.4	530		11 Wed	249	15.3	466		26 Thu	333	16.2	494	
	825	3.2	98			805	1.0	30			910	1.7	52			925	-0.7	-21			918	1.1	34			954	-0.5	-15	
	1435	14.1	430			1410	16.3	497			1513	14.8	451			1533	16.8	512			1520	14.7	448			1608	15.8	482	
2043	2.6	79		2026	0.6	18		2125	2.0	61		2142	0.1	3		2135	1.9	58		2211	0.8	24							
12 Sat	252	14.9	454		27 Sun	234	17.3	527		12 Tue	323	15.8	482		27 Wed	349	17.6	536		12 Thu	329	15.8	482		27 Fri	420	16.2	494	
	904	2.3	70			856	-0.3	-9			946	1.0	30			1009	-1.1	-34			958	0.4	12			1036	-0.6	-18	
	1511	14.7	448			1501	17.2	524			1549	15.3	466			1621	17.0	518			1601	15.2	463			1654	15.9	485	
2120	1.9	58		2115	-0.3	-9		2202	1.6	49		2226	0.0	0		2215	1.4	43		2253	0.8	24							
13 Sun	326	15.4	469		28 Mon	322	18.0	549		13 Wed	358	16.1	491		28 Thu	436	17.4	530		13 Fri	410	16.1	491		28 Sat	505	15.9	485	
	940	1.5	46			943	-1.3	-40			1022	0.5	15			1052	-1.1	-34			1036	-0.1	-3			1116	-0.4	-12	
	1545	15.1	460			1550	17.8	543			1625	15.5	472			1709	16.8	512			1643	15.6	475			1738	15.8	482	
2155	1.4	43		2201	-0.9	-27		2237	1.4	43		2309	0.3	9		2255	1.1	34		2334	1.0	30							
14 Mon	359	15.9	485		29 Tue	410	18.4	561		14 Thu	434	16.3	497		29 Fri	522	17.0	518		14 Sat	453	16.3	497		29 Sun	549	15.5	472	
	1014	0.9	27			1028	-1.7	-52			1057	0.3	9			1134	-0.6	-18			1116	-0.3	-9			1155	0.0	0	