

Balboa, Pacific Ocean

Times and Heights of High and Low Waters - year 2015

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		h m	ft	cm								
1 Thu	18 634 1259 1859	14.6 2.0 13.7 2.7	445 61 418 82		16 Fri	557 1207 1816	3.3 12.1 3.8	101 369 116		1 Sun	155 811 1434 2036	13.6 1.7 13.4 2.3	415 52 408 70		16 Mon	55 727 1335 1953	13.4 1.6 13.6 1.8	408 49 415 55		1 Sun	36 645 1320 1917	12.4 2.7 12.3 3.3	378 82 375 101		16 Mon	549 1205 1820	2.5 12.7 2.7	76 387 82
2 Fri	118 736 1357 2000	14.8 1.6 14.1 2.3	451 49 430 70		17 Sat	26 700 1307 1920	13.2 2.6 12.8 3.1	402 79 390 94		2 Mon	245 900 1520 2121	14.0 1.1 13.9 1.7	427 34 424 52		17 Tue	155 826 1430 2049	14.4 0.2 14.9 0.3	439 6 454 9		2 Mon	136 746 1413 2014	12.7 2.3 12.8 2.7	387 70 390 82		17 Tue	32 658 1310 1929	13.2 1.6 13.8 1.6	402 49 421 49
3 Sat	211 830 1448 2052	15.0 1.1 14.5 1.9	457 34 442 58		18 Sun	124 758 1401 2019	14.0 1.5 13.9 2.0	427 46 424 61		3 Tue	329 941 1601 2201	14.3 0.5 14.3 1.1	436 15 436 34		18 Wed	250 917 1522 2140	15.5 -1.1 16.1 -1.1	472 -34 491 -34		3 Tue	225 836 1457 2100	13.1 1.7 13.4 1.9	399 52 408 58		18 Wed	135 800 1407 2028	14.3 0.4 15.1 0.1	436 12 460 3
4 Sun	259 917 1535 2138	15.2 0.5 14.8 1.4	463 15 451 43		19 Mon	216 850 1452 2111	14.9 0.3 15.0 0.8	454 9 457 24		4 Wed	409 1018 1638 2238	14.5 0.1 14.7 0.7	442 3 448 21		19 Thu	342 1004 1612 2226	16.5 -2.3 17.1 -2.2	503 -70 521 -67		4 Wed	308 917 1535 2140	13.6 1.0 14.0 1.1	415 30 427 34		19 Thu	231 854 1459 2120	15.5 -0.9 16.4 -1.3	472 -27 500 -40
5 Mon	344 959 1619 2219	15.3 0.1 15.1 1.1	466 3 460 34		20 Tue	308 938 1542 2158	15.8 -0.9 16.0 -0.4	482 -27 488 -12		5 Thu	447 1053 1713 2314	14.7 -0.2 14.9 0.4	448 -6 454 12		20 Fri	434 1049 1702 2312	17.2 -2.9 17.8 -2.7	524 -88 543 -82		5 Thu	346 954 1610 2215	14.0 0.4 14.5 0.5	427 12 442 15		20 Fri	324 943 1550 2207	16.5 -2.0 17.4 -2.4	503 -61 530 -73
6 Tue	427 1037 1700 2257	15.4 -0.1 15.3 1.0	469 -3 466 30		21 Wed	359 1023 1632 2244	16.6 -1.9 16.9 -1.3	506 -58 515 -40		6 Fri	523 1127 1747 2349	14.7 -0.2 15.0 0.5	448 -6 457 15		21 Sat	524 1134 1750 2358	17.5 -3.0 18.0 -2.7	533 -91 549 -82		6 Fri	423 1029 1644 2250	14.4 0.0 14.8 0.1	439 0 451 3		21 Sat	415 1029 1639 2253	17.2 -2.7 17.9 -3.0	524 -82 546 -91
7 Wed	508 1114 1738 2335	15.3 -0.1 15.3 1.0	466 -3 466 30		22 Thu	450 1108 1721 2330	17.1 -2.4 17.5 -1.7	521 -73 533 -52		7 Sat	558 1201 1819	14.6 0.1 14.9	445 3 454		22 Sun	613 1219 1838	17.3 -2.6 17.7	527 -79 540		7 Sat	458 1102 1716 2323	14.6 -4.5 15.0 -0.1	445 -66 457 -3		22 Sun	506 1114 1728 2338	17.5 -2.8 18.1 -3.0	533 -85 552 -91
8 Thu	546 1151 1814	15.1 0.2 15.2	460 6 463		23 Fri	540 1153 1810	17.3 -2.5 17.7	527 -76 540		8 Sun	24 631 1236 1850	0.7 14.3 0.6 14.6	21 436 18 445		23 Mon	45 702 1307 1925	-2.2 16.6 -1.6 17.0	-67 506 -49 518		8 Sun	531 1135 1747 2357	14.6 -0.1 15.0 0.0	445 -3 457 0		23 Mon	554 1158 1815	17.3 -2.3 17.7	527 -70 540
9 Fri	13 623 1227 1848	1.3 14.7 0.7 14.9	40 448 21 454		24 Sat	17 630 1239 1858	-1.7 17.1 -2.0 17.5	-52 521 -61 533		9 Mon	101 704 1313 1921	1.2 13.9 1.3 14.2	37 424 40 433		24 Tue	135 751 1358 2014	-1.2 15.6 -0.3 15.8	-37 475 -9 482		9 Mon	604 1209 1818	14.5 0.3 14.9	442 9 454		24 Tue	23 642 1245 1902	-2.3 16.7 -1.3 16.9	-70 509 -40 515
10 Sat	52 659 1305 1922	1.8 14.2 1.3 14.5	55 433 40 442		25 Sun	106 720 1329 1947	-1.2 16.5 -1.1 16.9	-37 503 -34 515		10 Tue	140 738 1351 1954	1.7 13.3 2.0 13.7	52 405 61 418		25 Wed	229 843 1453 2107	0.0 14.4 1.0 14.5	0 439 30 442		10 Tue	32 637 1244 1849	0.4 14.2 0.9 14.5	133 422 27 442		25 Wed	111 730 1334 1950	-1.3 15.7 0.0 15.7	-40 479 0 479
11 Sun	133 735 1346 1957	2.3 13.6 2.1 14.0	70 415 64 427		26 Mon	159 811 1422 2038	-0.4 15.5 0.0 15.9	-12 472 0 485		11 Wed	223 816 1435 2033	2.3 12.7 2.7 13.2	70 387 82 402		26 Thu	327 944 1554 2210	1.2 13.1 2.2 13.3	37 399 67 405		11 Wed	109 711 1321 1923	1.0 13.7 1.6 14.1	30 418 49 430		26 Thu	202 820 1427 2040	0.0 14.5 1.4 14.3	0 442 43 436
12 Mon	217 813 1429 2035	2.8 13.0 2.8 13.4	85 396 85 408		27 Tue	255 907 1520 2135	0.5 14.4 1.1 14.9	15 439 34 454		12 Thu	312 903 1527 2123	2.8 12.1 3.3 12.7	85 369 101 387		27 Fri	430 1056 1700 2323	2.1 12.2 3.1 12.6	64 372 94 384		12 Thu	150 748 1404 2001	1.6 13.2 2.3 13.5	49 402 70 411		27 Fri	257 916 1526 2139	1.3 13.2 2.6 13.1	40 42 79 399
13 Tue	305 856 1517 2120	3.3 12.3 3.5 13.0	101 375 107 396		28 Wed	356 1012 1621 2241	1.3 13.4 2.1 14.0	40 408 64 427		13 Fri	409 1005 1627 2230	3.1 11.7 3.7 12.4	94 357 113 378		28 Sat	537 1214 1810	2.7 12.0 3.5	82 366 107		13 Fri	237 833 1455 2049	2.2 12.6 2.9 13.0	67 384 88 396		28 Sat	358 1024 1631 2250	2.4 12.3 3.5 12.2	73 375 107 372
14 Wed	358 951 1611 2216	3.6 11.8 3.9 12.7	110 360 119 387		29 Thu	500 1126 1727 2352	2.0 12.7 2.9 13.5	61 387 88 411		14 Sat	513 1121 1736 2347	3.1 11.8 3.6 12.6	94 360 110 384		14 Sat	333 931 1557 2155	2.6 12.2 3.3 12.5	79 372 101 381		29 Sun	502 1140 1739	3.1 12.0 3.9	94 366 119					
15 Thu	456 1058 1711 2322	3.6 11.7 4.1 12.7	110 357 125 387		30 Fri	607 1239 1836	2.3 12.6 3.1	70 384 94		15 Sun	622 1234 1847	2.6 12.5 2.9	79 381 88		15 Sun	438 1047 1707 2316	2.8 12.1 3.3 12.5	85 369 101 381		30 Mon	4 608 1248 1846	11.9 3.3 12.2 3.7	363 101 372 113					
					31 Sat	58 713 1341 1941	13.4 2.2 12.9 2.9	408 67 393 88							31 Tue	107 710 1341 1944	12.2 3.1 12.7 3.1	372 94 387 94										

Compiled by: EAAR-HM



New Moon



1st Quarter



Full Moon



3rd Quarter

Balboa, Pacific Ocean
Times and Heights of High and Low Waters - year 2015

April				May				June																					
Hour	Height			Hour	Height			Hour	Height			Hour	Height																
	h	m	ft	cm		h	m	ft	cm		h	m	ft	cm															
1 Wed	157	12.7	387		16 Thu	116	14.5	442		1 Fri	202	13.1	399		16 Sat	153	15.4	469		1 Mon	245	14.2	433		16 Tue	323	15.8	482	
	803	2.5	76			734	0.9	27			808	2.8	85			807	0.8	24			858	2.4	73			931	0.9	27	
	1423	13.3	405			1344	15.6	475			1420	14.1	430			1415	16.7	509			1456	15.2	463			1537	16.7	509	
	2032	2.3	70			2005	0.2	6			2039	2.0	61			2038	-0.3	-9			2127	1.1	34			2156	-0.4	-12	
2 Thu	239	13.3	405		17 Fri	212	15.5	472		2 Sat	242	13.7	418		17 Sun	247	16.1	491		2 Tue	326	14.8	451		17 Wed	413	16.1	491	
	847	1.8	55			830	-0.2	-6			851	2.1	64			900	0.1	3			940	1.8	55			1016	0.7	21	
	1501	14.0	427			1437	16.7	509			1456	14.6	445			1505	17.2	524			1536	15.6	475			1625	16.6	506	
	2112	1.4	43			2059	-1.0	-30			2118	1.2	37			2128	-1.0	-30			2206	0.4	12			2239	-0.5	-15	
3 Fri	317	13.8	421		18 Sat	305	16.4	500		3 Sun	320	14.3	436		18 Mon	338	16.5	503		3 Wed	408	15.3	466		18 Thu	500	16.1	491	
	925	1.1	34			921	-1.1	-34			931	1.6	49			948	-0.3	-9			1020	1.3	40			1100	0.7	21	
	1535	14.5	442			1527	17.5	533			1532	15.1	460			1555	17.4	530			1618	16.0	488			1712	16.4	500	
	2149	0.7	21			2147	-2.0	-61			2155	0.5	15			2214	-1.5	-46			2245	0.0	0			2320	-0.3	-9	
4 Sat	353	14.3	436		19 Sun	356	17.0	518		4 Mon	358	14.7	448		19 Tue	428	16.7	509		4 Thu	451	15.7	479		19 Fri	546	16.0	488	
	1001	0.6	18			1008	-1.7	-52			1008	1.1	34			1034	-0.4	-12			1100	1.0	30			1142	1.1	34	
	1609	14.9	454			1616	17.9	546			1608	15.5	472			1644	17.3	527			1701	16.2	494			1756	16.0	488	
	2223	0.1	3			2233	-2.5	-76			2231	0.1	3			2257	-1.4	-43			2324	-0.2	-6						
5 Sun	429	14.7	448		20 Mon	446	17.2	524		5 Tue	436	15.1	460		20 Wed	517	16.7	509		5 Fri	535	16.0	488		20 Sat	1	0.2	6	
	1036	0.3	9			1053	-1.8	-55			1044	0.9	27			1118	-0.2	-6			1142	1.0	30			628	15.8	482	
	1642	15.2	463			1705	17.8	543			1645	15.6	475			1732	17.0	518			1746	16.2	494			1224	1.6	49	
	2257	-0.2	-6			2317	-2.4	-73			2307	-0.1	-3			2340	-1.0	-30								1838	15.4	469	
6 Mon	504	14.8	451		21 Tue	535	17.1	521		6 Wed	514	15.2	463		21 Thu	605	16.3	497		6 Sat	6	-0.1	-3		21 Sun	42	0.9	27	
	1110	0.3	9			1138	-1.3	-40			1121	0.9	27			1202	0.5	15			620	16.1	491			709	15.3	466	
	1715	15.3	466			1753	17.4	530			1723	15.7	479			1818	16.3	497			1226	1.1	34			1308	2.3	70	
	2332	-0.2	-6								2344	0.0	0								1832	16.0	488			1919	14.7	448	
7 Tue	538	14.8	451		22 Wed	1	-1.8	-55		7 Thu	553	15.3	466		22 Fri	24	-0.2	-6		7 Sun	51	0.2	6		22 Mon	125	1.7	52	
	1144	0.5	15			623	16.6	506			1159	1.1	34			650	15.8	482			706	16.0	488			748	14.8	451	
	1749	15.2	463			1223	-0.5	-15			1802	15.5	472			1247	1.4	43			1314	1.4	43			1354	3.0	91	
						1840	16.6	506								1903	15.5	472			1920	15.7	479			2000	14.0	427	
8 Wed	7	0.1	3		23 Thu	47	-0.8	-24		8 Fri	23	0.3	9		23 Sat	109	0.8	24		8 Mon	140	0.8	24		23 Tue	210	2.6	79	
	613	14.7	448			710	15.7	479			634	15.2	463			735	15.1	460			754	15.8	482			829	14.2	433	
	1219	1.0	30			1310	0.7	21			1241	1.5	46			1336	2.3	70			1408	1.8	55			1443	3.6	110	
	1823	15.0	457			1926	15.6	475			1843	15.2	463			1947	14.5	442			2012	15.1	460			2044	13.2	402	
9 Thu	44	0.6	18		24 Fri	135	0.4	12		9 Sat	106	0.8	24		24 Sun	156	1.8	55		9 Tue	234	1.3	40		24 Wed	258	3.3	101	
	650	14.4	439			758	14.7	448			717	14.9	454			820	14.3	436			847	15.5	472			913	13.7	418	
	1258	1.6	49			1402	1.9	58			1328	2.0	61			1427	3.2	98			1507	2.1	64			1535	4.0	122	
	1859	14.6	445			2014	14.4	439			1929	14.8	451			2034	13.6	415			2110	14.6	445			2133	12.6	384	
10 Fri	125	1.2	37		25 Sat	227	1.6	49		10 Sun	155	1.4	43		25 Mon	247	2.8	85		10 Wed	333	1.8	55		25 Thu	349	3.9	119	
	729	14.0	427			849	13.7	418			805	14.6	445			909	13.6	415			948	15.2	463			1004	13.3	405	
	1343	2.2	67			1458	3.0	91			1422	2.5	76			1523	3.8	116			1610	2.3	70			1629	4.2	128	
	1941	14.1	430			2107	13.2	402			2021	14.3	436			2126	12.8	390			2218	14.2	433			2232	12.2	372	
11 Sat	213	1.8	55		26 Sun	323	2.7	82		11 Mon	251	1.9	58		26 Tue	341	3.5	107		11 Thu	435	2.2	67		26 Fri	442	4.3	131	
	815	13.5	411			948	12.9	393			900	14.3	436			1004	13.1	399			1054	15.2	463			1101	13.1	399	
	1435	2.8	85			1559	3.8	116			1523	2.8	85			1620	4.2	128			1714	2.2	67			1725	4.2	128	
	2031	13.5	411			2210	12.3	375			2123	13.8	421			2227	12.2	372			2330	14.1	430			2335	12.2	372	
12 Sun	309	2.3	70		27 Mon	423	3.4	104		12 Tue	353	2.3	70		27 Wed	436	4.0	122		12 Fri	539	2.3	70		27 Sat	538	4.4	134	
	912	13.1	399			1055	12.4	378			1006	14.2	433			1105	12.9	393			1200	15.4	469			1158	13.3	405	
	1538	3.1	94			1702	4.2	128			1629	2.7	82			1718	4.3	131			1818	1.9	58			1823	3.9	119	
	2135	13.0	396			2321	11.9	363			2236	13.6	415			2332	12.1	369											
13 Mon	413	2.5	76		28 Tue	524	3.8	116		13 Wed	458	2.3	70		28 Thu	533	4.2	128		13 Sat	37	14.5	442		28 Sun	33	12.6	384	
	1024	13.0	396			1202	12.5	381			1117	14.5	442			1202	13.1	399			644	2.2	67			637	4.3	131	
	1646	3.1	94			1805	4.1	125			1735	2.4	73			1816	4.0	122			1301	15.8	482			1250	13.7	418	
	2254	12.9	393								2350	13.9	424								1921	1.3	40			1919	3.3	101	
14 Tue	522	2.4	73		29 Wed	26	12.1	369		14 Thu	604	2.1	64		29 Fri	30	12.4	378		14 Sun	136	15.0	457		29 Mon	124	13.2	402	
	1140	13.5	411			624	3.8	116			1223	15.1	460			630	4.1	125			745	1.8	55			734	3.8	116	
	1757	2.5	76			1256	12.9	393			1841	1.6	49			1252	13.5	411			1356	16.2	494			1337	14.3	436	
						1903	3.6	110								1910	3.5	107			2019	0.6	18			2011	2.4	73	
15 Wed	11	13.5	411		30 Thu	118	12.5	381		15 Fri	56	14.6	445		30 Sat	120	12.9	393		15 Mon	231	15.4	469		30 Tue	211	13.9	424	
	630	1.8	55			720	3.4	104			708	1.5	46			724	3.7	113			841	1.3	40			826	3.0	91	
	1247	14.5	442			1341	13.5	411			1321	15.9	485			1336	14.0	427			1447	16.5	503			1423	15.0	457	
	1905	1.5	46			1954	2.9	88			1943																		

Balboa, Pacific Ocean

Times and Heights of High and Low Waters - year 2015

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 Wed 	257	14.7	448		16 Thu	358	15.5	472		1	407	16.7	509		16 Sun	456	15.7	479		1	521	18.6	567		16 Wed	530	15.8	482	
	913	2.1	64			1000	1.4	43			1021	-0.1	-3			1057	1.0	30			1131	-1.9	-58			1140	0.9	27	
	1508	15.7	479			1608	15.9	485			1624	17.1	521			1708	15.5	472			1744	18.1	552			1748	15.3	466	
	2141	0.5	15			2221	0.2	6			2245	-1.3	-40			2312	0.5	15			2353	-1.8	-55			2353	1.2	37	
2 Thu	343	15.5	472		17 Fri	442	15.7	479		2 Sun	455	17.4	530		17 Mon	531	15.7	479		2 Wed	609	18.5	564		17 Thu	602	15.6	475	
	958	1.3	40			1041	1.2	37			1106	-0.8	-24			1133	1.0	30			1218	-1.6	-49			1215	1.3	40	
	1554	16.2	494			1652	15.9	485			1713	17.5	533			1744	15.4	469			1833	17.7	540			1822	15.0	457	
	2223	-0.2	-6			2300	0.2	6			2329	-1.6	-49			2347	0.7	21											
3 Fri	429	16.2	494		18 Sat	523	15.8	482		3 Mon	543	17.9	546		18 Tue	605	15.6	475		3 Thu	40	-1.1	-34		18 Fri	28	1.9	58	
	1041	0.6	18			1120	1.2	37			1152	-1.0	-30			1209	1.3	40			1307	-0.8	-24			634	15.2	463	
	1642	16.6	506			1733	15.7	479			1803	17.5	533			1818	15.1	460			1923	16.9	515			1251	1.9	58	
	2305	-0.7	-21			2337	0.4	12																		1855	14.5	442	
4 Sat	516	16.7	509		19 Sun	602	15.7	479		4 Tue	14	-1.4	-43		19 Wed	22	1.2	37		4 Fri	131	0.0	0		19 Sat	105	2.6	79	
	1125	0.3	9			1159	1.4	43			631	17.9	546			637	15.3	466			747	17.0	518			707	14.7	448	
	1730	16.9	515			1812	15.4	469			1239	-0.7	-21			1246	1.8	55			1401	0.3	9			1331	2.6	79	
	2348	-0.8	-24								1852	17.2	524			1852	14.6	445			2016	15.7	479			1932	13.9	424	
5 Sun	603	17.0	518		20 Mon	15	0.8	24		5 Wed	102	-0.8	-24		20 Thu	58	1.9	58		5 Sat	226	1.3	40		20 Sun	146	3.4	104	
	1210	0.2	6			639	15.5	472			720	17.6	536			709	14.9	454			841	15.9	485			744	14.1	430	
	1819	16.8	512			1238	1.9	58			1330	-0.2	-6			1325	2.4	73			1459	1.5	46			1417	3.3	101	
						1849	14.9	454			1942	16.5	503			1927	14.1	430			2115	14.6	445			2014	13.3	405	
6 Mon	34	-0.6	-18		21 Tue	714	1.4	43		6 Thu	154	0.1	3		21 Fri	137	2.7	82		6 Sun	327	2.5	76		21 Mon	235	4.0	122	
	651	17.1	521			1319	2.4	73			810	16.9	515			743	14.3	436			943	14.7	448			829	13.5	411	
	1258	0.4	12			1926	14.3	436			1425	0.7	21			1407	3.1	94			1602	2.5	76			1512	3.8	116	
	1908	16.5	503								2036	15.5	472			2004	13.4	408			2225	13.6	415			2108	12.8	390	
7 Tue	122	-0.1	-3		22 Wed	133	2.2	67		7 Fri	250	1.2	37		22 Sat	220	3.5	107		7 Mon	433	3.4	104		22 Tue	335	4.5	137	
	739	16.9	515			749	14.6	445			904	16.0	488			820	13.8	421			1055	13.9	424			929	13.0	396	
	1351	0.8	24			1403	3.0	91			1524	1.5	46			1455	3.6	110			1710	3.1	94			1614	4.0	122	
	1959	15.9	485			2003	13.7	418			2137	14.5	442			2048	12.8	390			2343	13.2	402			2219	12.7	387	
8 Wed	215	0.6	18		23 Thu	216	3.0	91		8 Sat	350	2.2	67		23 Sun	310	4.1	125		8 Tue	543	3.8	116		23 Wed	442	4.5	137	
	830	16.4	500			825	14.1	430			1007	15.1	460			907	13.2	402			1210	13.6	415			1048	13.0	396	
	1448	1.3	40			1450	3.6	110			1628	2.2	67			1550	4.0	122			1818	3.3	101			1722	3.8	116	
	2055	15.2	463			2045	13.0	396			2248	13.8	421			2145	12.3	375								2337	13.2	402	
9 Thu	312	1.4	43		24 Fri	302	3.7	113		9 Sun	455	2.9	88		24 Mon	408	4.5	137		9 Wed	53	13.5	411		24 Thu	553	3.9	119	
	927	15.8	482			907	13.5	411			1117	14.5	442			1009	12.9	393			651	3.7	113			1205	13.6	415	
	1548	1.8	55			1541	4.0	122			1734	2.6	79			1652	4.1	125			1313	13.8	421			1830	3.1	94	
	2158	14.5	442			2134	12.4	378								2257	12.2	372			1921	3.0	91						
10 Fri	413	2.1	64		25 Sat	353	4.2	128		10 Mon	3	13.5	411		25 Tue	513	4.6	140		10 Thu	149	13.9	424		25 Fri	43	14.2	433	
	1031	15.3	466			959	13.1	399			603	3.3	101			1123	13.0	396			751	3.2	98			700	2.9	88	
	1651	2.1	64			1636	4.2	128			1227	14.3	436			1757	3.8	116			1405	14.3	436			1309	14.7	448	
	2309	14.0	427			2236	12.1	369			1841	2.6	79								2015	2.5	76			1932	1.9	58	
11 Sat	516	2.6	79		26 Sun	450	4.5	137		11 Tue	110	13.7	418		26 Wed	10	12.8	390		11 Fri	235	14.5	442		26 Sat	139	15.5	472	
	1138	15.1	460			1101	13.0	396			710	3.3	101			622	4.1	125			840	2.5	76			800	1.5	46	
	1756	2.2	67			1735	4.1	125			1328	14.5	442			1232	13.7	418			1449	14.7	448			1403	15.9	485	
						2344	12.2	372			1944	2.3	70			1902	2.9	88			2059	1.9	58			2027	0.6	18	
12 Sun	19	14.0	427		27 Mon	552	4.5	137		12 Wed	207	14.2	433		27 Thu	111	13.8	421		12 Sat	315	15.0	457		27 Sun	230	16.8	512	
	622	2.8	85			1205	13.3	405			809	2.8	85			727	3.1	94			921	1.8	55			852	0.0	0	
	1243	15.2	463			1837	3.6	110			1421	14.8	451			1331	14.7	448			1528	15.1	460			1455	17.1	521	
	1901	2.0	61								2037	1.7	52			2000	1.7	52			2137	1.3	40			2116	-0.6	-18	
13 Mon	122	14.3	436		28 Tue	46	12.8	390		13 Thu	256	14.7	448		28 Fri	204	15.0	457		13 Sun	351	15.4	469		28 Mon	319	17.9	546	
	726	2.6	79			655	4.1	125			900	2.2	67			824	1.7	52			958	1.3	40			940	-1.3	-40	
	1340	15.4	469			1303	14.0	427			1508	15.1	460			1424	15.8	482			1605	15.4	469			1545	17.9	546	
	2001	1.5	46			1936	2.7	82			2121	1.2	37			2052	0.4	12			2212	0.9	27			2202	-1.5	-46	
14 Tue	219	14.7	448		29 Wed	140	13.7	418		14 Fri	339	15.1	460		29 Sat	254	16.3	497		14 Mon	425	15.7	479		29 Tue	408	18.6	567	
	825	2.2	67			755	3.2	98			942	1.7	52			914	0.3	9			1033	0.9	27			1026	-2.0	-61	
	1433	15.6	475			1355	14.8	451			1550	15.4	469			1514	16.8	512			1640	15.5	472			1635	18.3	558	
	2054	1.0	30			2029	1.6	49			2201	0.7	21			2139	-0.8	-24			2246	0.8	24			2247	-1.9	-58	
15 Wed	310	15.1	460		30 Thu	230	14.8	451		15 Sat	419	15.4	469		30 Sun	343	17.4	530		15 Tue	458	15.8	482		30 Wed	457</			

Balboa, Pacific Ocean

Times and Heights of High and Low Waters - year 2015

October				November				December							
Hour		Height		Hour		Height		Hour		Height		Hour		Height	
1	2	3	4	16	17	18	19	1	2	3	4	16	17	18	19
h m	h m	ft	cm	h m	h m	ft	cm	h m	h m	ft	cm	h m	h m	ft	cm
Thu	546	18.7	570	Fri	530	15.8	482	Sun	47	0.7	21	16	20	2.1	64
	1157	-1.8	-55		1149	1.0	30		703	16.7	509		621	15.4	469
	1814	17.9	546		1755	15.3	466		1312	0.4	12		1243	1.4	43
									1936	16.0	488		1853	15.2	463
1	19	-0.9	-27	2	2	1.9	58	2	139	1.9	58	2	207	2.8	85
Fri	635	18.0	549	Sat	604	15.5	472	Mon	754	15.5	472	Wed	817	14.3	436
	1244	-0.9	-27		1225	1.5	46		1404	1.7	52		1427	2.5	76
	1904	17.0	518		1831	15.0	457		2028	15.0	457		2050	14.3	436
3	109	0.3	9	3	39	2.5	76	3	237	3.1	94	3	302	3.6	110
Sat	725	17.0	518	Sun	639	15.0	457	Tue	848	14.3	436	Thu	909	13.3	405
	1336	0.3	9		1304	2.1	64		1502	2.9	88		1521	3.4	104
	1956	15.9	485		1909	14.5	442		2127	14.0	427		2144	13.6	415
4	203	1.6	49	4	121	3.2	98	4	339	3.9	119	4	400	4.1	125
Sun	817	15.7	479	Mon	719	14.5	442	Wed	951	13.3	405	Fri	1009	12.6	384
	1432	1.7	52		1349	2.8	85		1603	3.7	113		1617	4.1	125
	2053	14.7	448		1952	14.1	430		2235	13.4	408		2245	13.1	399
5	303	2.9	88	5	211	3.8	116	5	443	4.4	134	5	459	4.3	131
Mon	917	14.4	439	Tue	805	13.9	424	Thu	1103	12.8	390	Sat	1116	12.2	372
	1534	2.8	85		1442	3.4	104		1706	4.2	128		1715	4.4	134
	2159	13.7	418		2044	13.7	418		2344	13.3	405		2346	13.1	399
6	409	3.8	116	6	311	4.1	125	6	547	4.4	134	6	558	4.2	128
Tue	1028	13.5	411	Wed	904	13.4	408	Fri	1211	12.8	390	Sun	1218	12.4	378
	1640	3.6	110		1545	3.7	113		1807	4.3	131		1813	4.4	134
	2316	13.3	405		2151	13.5	411								
7	518	4.2	128	7	418	4.1	125	7	41	13.6	415	7	40	13.4	408
Wed	1144	13.1	399	Thu	1020	13.3	405	Sat	646	4.0	122	Sun	654	3.7	113
	1747	3.9	119		1652	3.6	110		1306	13.2	402		1310	12.8	390
					2307	13.8	421		1903	4.0	122		1909	4.1	125
8	26	13.4	408	8	527	3.6	110	8	128	14.1	430	8	125	13.9	424
Thu	625	4.1	125	Fri	1139	13.8	421	Sun	738	3.4	104	Mon	746	3.0	91
	1249	13.3	405		1759	3.0	91		1351	13.7	418		1355	13.4	408
	1850	3.7	113						1953	3.5	107		2000	3.5	107
9	122	13.8	421	9	16	14.7	448	9	207	14.6	445	9	206	14.4	439
Fri	724	3.6	110	Sat	634	2.6	79	Mon	823	2.6	79	Tue	831	2.2	67
	1341	13.8	421		1246	14.7	448		1430	14.3	436		1436	14.0	427
	1944	3.3	101		1903	2.1	64		2036	2.9	88		2045	2.9	88
10	206	14.4	439	10	114	15.9	485	10	243	15.1	460	10	245	14.9	454
Sat	813	2.9	88	Sun	735	1.4	43	Tue	903	1.8	55	Thu	913	1.4	43
	1424	14.3	436		1343	15.9	485		1507	14.8	451		1515	14.6	445
	2029	2.6	79		2001	1.0	30		2116	2.3	70		2127	2.2	67
11	244	14.9	454	11	207	17.1	521	11	317	15.5	472	11	323	15.3	466
Sun	855	2.1	64	Mon	830	0.0	0	Wed	940	1.2	37	Thu	949	-1.4	-43
	1501	14.8	451		1435	16.9	515		1543	15.2	463		1601	17.3	527
	2108	2.0	61		2053	-0.1	-3		2153	1.8	55		2210	-0.5	-15
12	318	15.4	469	12	257	18.0	549	12	352	15.8	482	12	417	18.0	549
Mon	932	1.5	46	Tue	920	-1.2	-37	Thu	1016	0.7	21	Fri	1034	-1.6	-49
	1537	15.2	463		1526	17.7	540		1620	15.5	472		1651	17.4	530
	2145	1.5	46		2142	-0.9	-27		2229	1.6	49		2256	-0.4	-12
13	351	15.7	479	13	346	18.6	567	13	428	15.9	485	13	507	17.7	540
Tue	1006	0.9	27	Wed	1006	-1.9	-58	Fri	1051	0.5	15	Sat	1119	-1.3	-40
	1612	15.5	472		1616	18.1	552		1657	15.6	475		1740	17.2	524
	2219	1.3	40		2228	-1.2	-37		2305	1.6	49		2341	0.0	0
14	424	15.9	485	14	435	18.7	570	14	504	15.9	485	14	555	17.2	524
Wed	1040	0.7	21	Thu	1052	-2.1	-64	Sat	1126	0.6	18	Sun	1203	-0.7	-21
	1646	15.6	475		1706	18.1	552		1734	15.6	475		1828	16.7	509
	2253	1.2	37		2313	-1.1	-34		2341	1.8	55				
15	457	15.9	485	15	525	18.4	561	15	542	15.7	479	15	27	0.8	24
Thu	1114	0.7	21	Fri	1137	-1.7	-52	Sun	1203	0.9	27	Mon	643	16.3	497
	1721	15.5	472		1756	17.7	540		1813	15.4	469		1248	0.3	9
	2327	1.5	46		2359	-0.4	-12						1915	16.0	488
16	614	17.7	540	16	614	17.7	540	16	614	17.7	540	16	614	17.7	540
Sat	1223	-0.8	-24	Sat	1223	-0.8	-24	Sat	1223	-0.8	-24	Sat	1223	-0.8	-24
	1846	17.0	518		1846	17.0	518		1846	17.0	518		1846	17.0	518

Compiled by: EAAR-HM



New Moon



1st Quarter



Full Moon



3rd Quarter