

Balboa, Océano Pacífico año 2012

Horas y Niveles de Mareas Altas y Bajas

Enero				Febrero				Marzo			
Hora	Nivel			Hora	Nivel			Hora	Nivel		
1 Dom	h m pies cm			16 Lun	h m pies cm			1 Jue	h m pies cm		
303	3.0	91		243	1.2	37		223	2.3	70	
910	12.7	387		844	14.2	433		822	12.1	369	
1521	3.3	101		1500	1.5	46		1440	3.3	101	
2136	13.5	411		2110	14.9	454		2038	12.5	381	
2 Lun	357 3.6 110			17 Mar	342 1.6 49			2 Jue	312 3.1 94		
1005	12.0	366		945	13.5	411		908	11.3	344	
1614	4.0	122		1601	2.2	67		1534	4.1	125	
2231	12.9	393		2214	14.3	436		2129	11.8	360	
3 Mar	453 3.9 119			18 Mié	446 1.9 58			3 Sáb	410 3.6 110		
1110	11.5	351		1059	13.1	399		1014	10.8	329	
1711	4.5	137		1708	2.7	82		1638	4.5	137	
2332	12.6	384		2328	14.0	427		2240	11.3	344	
4 Mié	552 3.9 119			19 Jue	555 1.9 58			4 Dom	515 3.8 116		
1216	11.6	354		1215	13.2	402		1136	10.9	332	
1812	4.6	140		1820	2.7	82		1749	4.5	137	
		3				3		2359	11.5	351	
5 Jue	30 12.7 387			20 Vie	40 14.2 433			5 Lun	623 3.4 104		
651	3.6	110		705	1.5	46		1245	11.6	354	
1313	12.0	366		1323	13.8	421		1858	3.8	116	
1913	4.3	131		1930	2.3	70			6		
6 Vie	122 13.1 399			21 Sáb	144 14.7 448			6 Mar	103 12.3 375		
747	2.9	88		809	0.7	21		726	2.6	79	
1402	12.6	384		1423	14.5	442		1339	12.7	387	
2009	3.7	113		2032	1.5	46		1957	2.6	79	
7 Sáb	208 13.6 415			22 Dom	241 15.2 463			7 Mié	156 13.3 405		
836	2.1	64		903	-0.1	-3		819	1.4	43	
1446	13.3	405		1517	15.2	463		1425	13.9	424	
2057	2.9	88		2125	0.6	18		2047	1.2	37	
8 Dom	252 14.2 433			23 Lun	334 15.6 475			8 Jue	243 14.4 439		
919	1.2	37		950	-0.8	-24		906	0.1	3	
1527	14.1	430		1607	15.8	482		1509	15.1	460	
2139	2.0	61		2211	0.0	0		2131	-0.2	-6	
9 Lun	334 14.8 451			24 Mar	423 15.9 485			9 Vie	329 15.4 469		
959	0.4	12		1033	-1.2	-37		949	-1.0	-30	
1608	14.8	451		1653	16.2	494		1553	16.2	494	
2219	1.2	37		2254	-0.4	-12		2213	-1.4	-43	
10 Mar	416 15.2 463			25 Mié	509 15.9 485			10 Sáb	415 16.2 494		
1037	-0.2	-6		1113	-1.2	-37		1030	-1.8	-55	
1648	15.4	469		1736	16.3	497		1637	16.9	515	
2258	0.6	18		2334	-0.4	-12		2255	-2.1	-64	
11 Mié	459 15.6 475			26 Jue	551 15.7 479			11 Dom	500 16.7 509		
1115	-0.5	-15		1152	-0.8	-24		1111	-2.1	-64	
1728	15.8	482		1815	16.1	491		1721	17.3	527	
2337	0.3	9				-3		2337	-2.4	-73	
12 Jue	541 15.8 482			27 Vie	14 0.0 0			12 Lun	546 16.8 512		
1153	-0.6	-18		631	15.2	463		1154	-2.0	-61	
1807	16.1	491		1231	-0.2	-6		1806	17.3	527	
		-6		1853	15.7	479			0		
13 Vie	18 0.2 6			28 Sáb	54 0.6 18			13 Mar	21 -2.1 -64		
623	15.7	479		708	14.5	442		633	16.5	503	
1234	-0.4	-12		1310	0.7	21		1239	-1.3	-40	
1848	16.2	494		1928	15.0	457		1853	16.8	512	
14 Sáb	101 0.3 9			29 Dom	135 1.3 40			14 Mié	109 -1.4 -43		
706	15.5	472		744	13.7	418		721	15.8	482	
1318	0.1	3		1351	1.7	52		1328	-0.3	-9	
1930	16.0	488		2004	14.2	433		1941	15.9	485	
15 Dom	149 0.7 21			30 Lun	219 2.1 64			15 Jue	201 -0.4 -12		
752	14.9	454		822	12.7	387		813	14.8	451	
1406	0.8	24		1435	2.7	82		1423	0.9	27	
2017	15.5	472		2042	13.3	405		2035	14.8	451	
				31 Mar	307 2.9 88						
				906	11.9	363					
				1523	3.6	110					
				2127	12.5	381					

recopilado por: EAAR-HM



Luna Nueva



Cuarto Creciente



Luna Llena



Cuarto Menguante

Balboa, Océano Pacífico año 2012

Horas y Niveles de Mareas Altas y Bajas

Abril					Mayo					Junio																			
Hora		Nivel			Hora		Nivel			Hora		Nivel			Hora		Nivel												
1 Dom	h	m	pies	cm	16 Lun	h	m	pies	cm	1 Mar	h	m	pies	cm	16 Mié	h	m	pies	cm	1 Vie	h	m	pies	cm	16 Sáb	h	m	pies	cm
	432	3.7	113	600		2.7	82	457	3.3		101	29	12.8	390		17	14.0	427	133		12.8	390							
	1045	11.5	351	1233		13.5	411	1114	13.2		402	623	3.4	104		627	2.5	76	730		4.1	125							
	1710	4.3	131	1837		2.9	88	1739	3.4		104	1251	13.9	424		1241	15.4	469	1341		14.0	427							
	2314	11.7	357			390	2346	12.9	393		1900	3.1	94	1910		1.5	46	2003	2.9		88								
2 Lun	538	3.5	107	17 Mar	103	13.0	396	2 Mié	601	2.9	88	17 Jue	123	13.1	399	2 Sáb	117	14.8	451	17 Dom	217	13.2	402						
	1159	12.1	369		1217	14.0	427		719	3.3	101		730	1.8	55		821	3.7	113										
	1818	3.6	110		1842	2.4	73		1337	14.2	433		1338	16.3	497		1423	14.3	436										
			357		1936	2.4	73			393		1952	2.6	79		2009	0.4	12		2049	2.3	70							
3 Mar	25	12.4	378	18 Mié	155	13.4	408	3 Jue	48	13.8	421	18 Vie	208	13.4	408	3 Dom	213	15.7	479	18 Lun	259	13.7	418						
	643	2.8	85		757	2.2	67		809	3.1	94		829	1.0	30		906	3.2	98										
	1258	13.2	402		1414	14.4	439		1418	14.5	442		1432	17.0	518		1504	14.6	445										
	1920	2.5	76		2026	1.8	55		2037	2.1	64		2104	-0.6	-18		2130	1.7	52										
4 Mié	123	13.5	411	19 Jue	240	13.8	421	4 Vie	143	14.9	454	19 Sáb	249	13.8	421	4 Lun	308	16.5	503	19 Mar	340	14.1	430						
	742	1.7	52		843	1.8	55		800	1.1	34		852	2.7	82		923	0.2	6		947	2.7	82						
	1349	14.4	439		1454	14.8	451		1404	16.2	494		1456	14.8	451		1526	17.4	530		1544	14.9	454						
	2014	1.1	34		2107	1.1	34		2035	-0.1	-3		2117	1.5	46		2154	-1.4	-43		2208	1.2	37						
5 Jue	213	14.6	445	20 Vie	319	14.2	433	5 Sáb	235	15.9	485	20 Dom	327	14.1	430	5 Mar	403	17.0	518	20 Mié	420	14.5	442						
	833	0.5	15		923	1.4	43		853	0.1	3		932	2.3	70		1014	-0.3	-9		1026	2.3	70						
	1436	15.7	479		1530	15.1	460		1454	17.1	521		1533	15.0	457		1621	17.6	536		1624	15.1	460						
	2103	-0.4	-12		2145	0.6	18		2124	-1.3	-40		2154	1.0	30		2242	-1.7	-52		2245	0.9	27						
6 Vie	302	15.7	479	21 Sáb	356	14.4	439	6 Dom	327	16.7	509	21 Lun	405	14.4	439	6 Mié	458	17.3	527	21 Jue	459	14.9	454						
	921	-0.6	-18		959	1.1	34		943	-0.7	-21		1010	2.0	61		1102	-0.4	-12		1104	2.0	61						
	1522	16.7	509		1606	15.2	463		1545	17.7	540		1610	15.1	460		1715	17.6	536		1705	15.2	463						
	2148	-1.6	-49		2220	0.2	6		2212	-2.0	-61		2230	0.8	24		2329	-1.6	-49		2322	0.8	24						
7 Sáb	350	16.5	503	22 Dom	432	14.6	445	7 Lun	419	17.2	524	22 Mar	443	14.5	442	7 Jue	551	17.3	527	22 Vie	537	15.1	460						
	1005	-1.5	-46		1035	1.0	30		1030	-1.1	-34		1047	1.9	58		1151	-0.2	-6		1142	2.0	61						
	1610	17.4	530		1640	15.3	466		1637	17.9	546		1648	15.1	460		1808	17.2	524		1744	15.2	463						
	2232	-2.4	-73		2254	0.1	3		2258	-2.3	-70		2306	0.7	21			-49	2359		0.9	27							
8 Dom	439	17.1	521	23 Lun	507	14.6	445	8 Mar	512	17.4	530	23 Mié	521	14.6	445	8 Vie	17	-1.0	-30	23 Sáb	614	15.3	466						
	1050	-1.9	-58		1109	1.1	34		1117	-1.1	-34		1123	2.0	61		642	17.1	521		1221	2.0	61						
	1658	17.8	543		1715	15.2	463		1729	17.7	540		1726	15.0	457		1241	0.4	12		1823	15.1	460						
	2317	-2.7	-82		2329	0.3	9		2345	-2.0	-61		2342	0.9	27		1859	16.5	503			27							
9 Lun	528	17.2	524	24 Mar	542	14.5	442	9 Mié	604	17.2	524	24 Jue	558	14.6	445	9 Sáb	106	-0.2	-6	24 Dom	37	1.1	34						
	1135	-1.7	-52		1144	1.5	46		1206	-0.6	-18		1201	2.3	70		732	16.5	503		652	15.3	466						
	1747	17.6	536		1749	14.9	454		1822	17.2	524		1803	14.8	451		1333	1.3	40		1302	2.2	67						
			-82			9				-61		27		475		475		475		1904	14.9	454							
10 Mar	2	-2.3	-70	25 Mié	4	0.7	21	10 Jue	34	-1.3	-40	25 Vie	19	1.3	40	10 Dom	157	0.9	27	25 Lun	119	1.5	46						
	618	16.9	515		617	14.2	433		657	16.7	509		634	14.5	442		821	15.8	482		731	15.3	466						
	1222	-1.1	-34		1221	2.1	64		1258	0.3	9		1240	2.7	82		1428	2.1	64		1348	2.4	73						
	1836	17.1	521		1824	14.4	439		1915	16.3	497		1841	14.5	442		2041	14.6	445		1947	14.6	445						
11 Mié	51	-1.5	-46	26 Jue	41	1.3	40	11 Vie	126	-0.2	-6	26 Sáb	59	1.7	52	11 Lun	251	2.0	61	26 Mar	204	2.0	61						
	709	16.3	497		652	13.8	421		750	16.0	488		712	14.4	439		913	15.0	457		813	15.2	463						
	1312	-0.1	-3		1300	2.7	82		1353	1.3	40		1323	3.0	91		1525	2.9	88		1439	2.6	79						
	1927	16.1	491		1900	13.9	424		2009	15.3	466		1921	14.1	430		2137	13.6	415		2035	14.2	433						
12 Jue	144	-0.4	-12	27 Vie	121	2.0	61	12 Sáb	223	0.9	27	27 Dom	142	2.2	67	12 Mar	346	2.9	88	27 Mié	255	2.4	73						
	802	15.3	466		729	13.4	408		845	15.2	463		752	14.2	433		1009	14.3	436		903	15.0	457						
	1409	1.1	34		1344	3.3	101		1454	2.2	67		1412	3.3	101		1622	3.4	104		1535	2.7	82						
	2022	14.9	454		1939	13.4	408		2107	14.2	433		2006	13.7	418		2239	12.9	393		2132	13.9	424						
13 Vie	243	0.8	24	28 Sáb	206	2.6	79	13 Dom	322	1.9	58	28 Lun	230	2.7	82	13 Mié	442	3.6	110	28 Jue	352	2.7	82						
	901	14.3	436		811	13.0	396		946	14.4	439		837	14.1	430		1108	13.8	421		1002	14.8	451						
	1512	2.1	64		1435	3.8	116		1557	2.9	88		1506	3.5	107		1719	3.7	113		1635	2.7	82						
	2126	13.8	421		2025	12.8	390		2213	13.3	405		2057	13.4	408		2343	12.5	381		2239	13.7	418						
14 Sáb	347	1.8	55	29 Dom	257	3.2	98	14 Lun	423	2.7	82	29 Mar	324	3.0	91	14 Jue	538	4.1	125	29 Vie	453	2.9	88						
	1010	13.6	415		901	12.8	390		1051	13.9	424		931	14.0	427		1205	13.7	418		1109	14.9	454						
	1620	2.9	88		1533	4.1	125		1700	3.3	101		1604	3.4	104		1817	3.7	113		1739	2.4	73						
	2241	13.0	396		2123	12.4	378		2324	12.9	393		2200	13.2	402			381	2350		13.9	424							
15 Dom	454	2.5	76	30 Lun	355	3.4	104	15 Mar	524	3.2	98	30 Mié	422	3.1	94	15 Vie	42	12.6	384	30 Sáb	559	2.8	85						
	1125	13.3	405		1004	12.7	387																						

Horas y Niveles de Mareas Altas y Bajas

recopilado por: EAAR-HM



Luna Nueva



Cuarto Creciente



Luna Llena



Cuarto Menguante

Balboa, Océano Pacífico año 2012

Horas y Niveles de Mareas Altas y Bajas

Octobre					Noviembre					Diciembre																			
Hora		Nivel			Hora		Nivel			Hora		Nivel			Hora		Nivel												
1 Lun	h	m	pies	cm	16 Mar	h	m	pies	cm	1 Jue	h	m	pies	cm	16 Vie	h	m	pies	cm	1 Sáb	h	m	pies	cm	16 Dom	h	m	pies	cm
	417	16.5	503	341		17.8	543	458	15.8		482	459	18.2	555		512	15.2	463	540		17.6	536							
	1027	0.2	6	1008		-1.2	-37	1112	0.8		24	1119	-1.8	-55		1127	1.0	30	1152		-1.7	-52							
	1640	15.9	485	1610		17.5	533	1727	15.2		463	1734	17.8	543		1744	15.0	457	1814		17.6	536							
	2243	0.7	21	2225		-0.7	-21	2329	2.0		61	2340	-0.4	-12		2346	2.3	70	2346		2.3	70							
2 Mar	453	16.4	500	17 Mié	428	18.2	555	2 Vie	534	15.5	472	17 Sáb	552	17.8	543	2 Dom	549	15.0	457	17 Lun	15	-0.4	-12	1904	17.2	524			
	1102	0.3	9		1051	-1.6	-49		1147	1.2	37		1207	-1.3	-40		1203	1.3	40		632	17.0	518						
	1717	15.7	479		1658	17.8	543		1803	14.9	454		1827	17.5	533		1819	14.8	451		1240	-1.0	-30						
	2318	1.0	30		2309	-0.8	-24			61			-12		70		1904	17.2	524										
3 Mié	528	16.1	491	18 Jue	516	18.2	555	3 Sáb	6	2.6	79	18 Dom	30	0.2	6	3 Lun	24	2.6	79	18 Mar	106	0.3	9	1954	16.4	500			
	1137	0.6	18		1135	-1.5	-46		610	15.0	457		645	17.1	521		626	14.6	445		723	16.2	494						
	1752	15.4	469		1748	17.6	536		1224	1.8	55		1258	-0.4	-12		1241	1.8	55		1330	0.1	3						
	2353	1.6	49		2354	-0.4	-12		1838	14.5	442		1920	16.9	515		1855	14.6	445		1954	16.4	500						
4 Jue	603	15.7	479	19 Vie	606	17.8	543	4 Dom	44	3.2	98	19 Lun	124	1.1	34	4 Mar	105	3.1	94	19 Mié	200	1.2	37	2045	15.5	472			
	1213	1.3	40		1222	-0.9	-27		646	14.4	439		740	16.2	494		704	14.2	433		815	15.2	463						
	1827	14.8	451		1839	17.2	524		1303	2.5	76		1352	0.7	21		1321	2.4	73		1423	1.2	37						
5 Vie	30	2.4	73	20 Sáb	44	0.4	12	5 Lun	128	3.9	119	20 Mar	224	2.0	61	5 Mié	150	3.4	104	20 Jue	256	2.1	64	2139	14.6	445			
	637	15.0	457		657	17.0	518		725	13.8	421		838	15.1	460		745	13.8	421		909	14.0	427						
	1250	2.1	64		1314	0.1	3		1347	3.3	101		1452	1.8	55		1406	2.9	88		1519	2.3	70						
	1902	14.2	433		1932	16.4	500		1956	13.6	415		2114	15.3	466		2013	14.1	430		2139	14.6	445						
6 Sáb	109	3.3	101	21 Dom	139	1.5	46	6 Mar	217	4.5	137	21 Mié	327	2.8	85	6 Jue	240	3.7	113	21 Vie	355	2.8	85	2240	13.9	424			
	713	14.3	436		752	16.0	488		809	13.2	402		942	14.1	430		831	13.3	405		1011	13.1	399						
	1332	2.9	88		1411	1.2	37		1438	3.9	119		1554	2.7	82		1456	3.3	101		1616	3.2	98						
1940	13.5	411	2030	15.5	472	2043	13.2	402	2219	14.6	445	2101	13.9	424	2101	13.9	424	2240	13.9	424									
7 Dom	154	4.2	128	22 Lun	241	2.5	76	7 Mié	314	4.8	146	22 Jue	432	3.2	98	7 Vie	336	3.7	113	22 Sáb	455	3.3	101	2342	13.5	411			
	752	13.5	411		854	14.9	454		903	12.7	387		1054	13.5	411		928	13.0	396		1119	12.5	381						
	1419	3.8	116		1515	2.2	67		1534	4.3	131		1657	3.3	101		1552	3.6	110		1715	3.9	119						
2023	12.8	390	2136	14.7	448	2141	13.1	399	2326	14.3	436	2200	13.9	424															
8 Lun	247	4.9	149	23 Mar	349	3.2	98	8 Jue	415	4.7	143	23 Vie	536	3.4	104	8 Sáb	436	3.5	107	23 Dom	555	3.5	107	1816	4.2	128			
	840	12.7	387		1006	14.0	427		1011	12.6	384		1204	13.3	405		1036	13.0	396		1225	12.4	378						
	1515	4.4	134		1623	2.9	88		1635	4.3	131		1759	3.6	110		1652	3.5	107		1816	4.2	128						
2119	12.3	375	2250	14.3	436	2249	13.3	405		436			2306	14.2	433														
9 Mar	349	5.3	162	24 Mié	500	3.5	107	9 Vie	517	4.3	131	24 Sáb	27	14.4	439	9 Dom	538	3.0	91	24 Lun	40	13.4	408	1915	4.1	125			
	943	12.2	372		1126	13.7	418		1123	12.9	393		637	3.2	98		1146	13.4	408		654	3.4	104						
	1617	4.7	143		1731	3.2	98		1736	4.0	122		1303	13.5	411		1756	3.2	98		1321	12.6	384						
	2231	12.2	372			436	2353		14.0	427	1858		3.6	110			433		125										
10 Mié	455	5.2	158	25 Jue	2	14.4	439	10 Sáb	618	3.4	104	25 Dom	119	14.6	445	10 Lun	11	14.8	451	25 Mar	130	13.6	415	2008	3.7	113			
	1101	12.2	372		608	3.3	101		1226	13.7	418		732	2.8	85		641	2.2	67		749	2.9	88						
	1721	4.6	140		1236	13.9	424		1837	3.3	101		1353	13.8	421		1250	14.2	433		1409	13.0	396						
	2344	12.7	387		1835	3.1	94			427	1951		3.4	104			79		113										
11 Jue	600	4.6	140	26 Vie	101	14.8	451	11 Dom	49	15.0	457	26 Lun	203	14.8	451	11 Mar	110	15.6	475	26 Mié	215	13.9	424	2055	3.2	98			
	1210	12.8	390		710	2.8	85		716	2.3	70		820	2.3	70		742	1.1	34		836	2.3	70						
	1823	4.0	122		1332	14.4	439		1321	14.8	451		1436	14.1	430		1347	15.2	463		1452	13.4	408						
			387	1933	2.8	85	1935	2.3	70	2037	3.0	91	2002	1.7	52														
12 Vie	41	13.6	415	27 Sáb	151	15.3	466	12 Lun	139	16.1	491	27 Mar	243	15.1	460	12 Mié	205	16.5	503	27 Jue	256	14.2	433	2136	2.6	79			
	700	3.6	110		803	2.2	67		810	1.0	30		902	1.7	52		838	-0.1	-3		918	1.6	49						
	1306	13.8	421		1419	14.8	451		1411	15.9	485		1515	14.5	442		1441	16.1	491		1532	13.9	424						
	1920	3.1	94		2022	2.4	73		2028	1.3	40		2118	2.6	79		2058	0.7	21		2136	2.6	79						
13 Sáb	129	14.8	451	28 Dom	233	15.7	479	13 Mar	228	17.1	521	28 Mié	320	15.2	463	13 Jue	259	17.2	524	28 Vie	336	14.5	442	2215	2.0	61			
	753	2.3	70		847	1.6	49		859	-0.3	-9		940	1.3	40		929	-1.1	-34		956	1.0	30						
	1353	15.0	457		1500	15.1	460		1500	16.8	512		1553	14.7	448		1535	16.9	515		1611	14.4	439						
	2011	1.9	58		2104	2.0	61		2118	0.3	9		2157	2.3	70		2149	-0.2	-6		2215	2.0	61						
14 Dom	213	16.0	488	29 Lun	311	15.9	485	14 Mié	317	17.8	543	29 Jue	357	15.3	466	14 Vie	353	17.6	536	29 Sáb	415	14.8	451	2252	1.7	52			
	840	1.0	30		927	1.1	34		947	-1.2	-37		1016	1.0	30		1017	-1.8	-55		1032	0.6	18						
	1439	16.0	488		1539	15.3	466		1551	17.4	530		1630	14.9	454		1629	17.4	530		1648	14.7	448						
	2057	0.8	24		2142	1.7	52		2205	-0.4	-12		2233	2.1	64		2238	-0.7	-21		2252	1.7	52						
15 Lun	257	17.0	518	30 Mar	348	16.0	488	15 Jue	407	18.2	555	30 Vie	435	15.3	466	15 Sáb	447	17.7	540	30 Dom	453	14.9	454	2328	1.5	46			
	925	-0.3	-9		100																								