

# Balboa, Pacific Ocean

## Times and Heights of High and Low Waters - year 2023

January				February				March																										
Hour	Height			Hour	Height			Hour	Height			Hour	Height																					
	h	m	pies	cm		h	m	pies	cm		h	m	pies	cm		h	m	pies	cm															
1 Sun	513	2.6	79	79	16 Mon	414	3.4	104	104	1 Wed	24	12.4	378	378	16 Thu	549	2.7	82	82	1 Wed	454	3.5	107	107	16 Thu	412	2.7	82	82					
	1136	12.9	393	393		1009	12.0	366	366		642	3.3	101	101		1205	12.0	366	366		1128	10.8	329	329		1021	11.9	363	363	1640	3.7	113	113	
	1734	3.3	101	101		1626	3.7	113	113		1316	11.6	354	354		1815	3.5	107	107		1723	4.7	143	143		2347	11.7	344	344	2249	12.4	378	378	
2 Mon	0	14.0	427	427	17 Tue	515	3.2	98	98	2 Thu	125	12.5	381	381	17 Fri	28	13.0	396	396	2 Thu	604	3.8	116	116	17 Fri	528	2.7	82	82	17 Fri	1150	12.1	369	369
	615	2.8	85	85		1121	12.0	366	366		745	3.0	91	91		703	2.0	61	61		1248	10.9	332	332		1800	3.4	104	104					
	1242	12.8	390	390		1730	3.8	116	116		1412	12.0	366	366		1318	12.9	393	393		1837	4.7	143	143										
3 Tue	58	13.9	424	424	18 Wed	621	2.7	82	82	3 Fri	216	12.7	387	387	18 Sat	138	13.9	424	424	3 Fri	59	11.4	347	347	18 Sat	18	12.7	387	387	18 Sat	644	2.2	67	67
	716	2.6	79	79		1231	12.5	381	381		837	2.4	73	73		810	0.8	24	24		1349	11.5	351	351		1304	13.1	399	399		1917	2.4	73	73
	1339	12.9	393	393		1840	3.4	104	104		1459	12.6	384	384		1419	14.1	430	430		1945	4.2	128	128										
4 Wed	148	14.0	427	427	19 Thu	50	13.9	424	424	4 Sat	302	13.1	399	399	19 Sun	239	14.9	454	454	4 Sat	156	11.9	363	363	19 Sun	129	13.7	418	418	19 Sun	129	13.7	418	418
	810	2.3	70	70		727	1.9	58	58		921	1.7	52	52		906	-0.5	-15	-15		811	2.9	88	88		751	1.1	34	34		751	1.1	34	34
	1429	13.2	402	402		1334	13.4	408	408		1541	13.1	399	399		1515	15.4	469	469		1436	12.2	372	372		1405	14.4	439	439		1405	14.4	439	439
5 Thu	234	14.1	430	430	20 Fri	150	14.7	448	448	5 Sun	344	13.5	411	411	20 Mon	334	15.9	485	485	5 Sun	242	12.5	381	381	20 Mon	228	14.8	451	451	20 Mon	228	14.8	451	451
	857	1.8	55	55		828	0.7	21	21		958	1.0	30	30		955	-1.6	-49	-49		856	2.0	61	61		847	-0.2	-6	-6		847	-0.2	-6	-6
	1515	13.5	411	411		1432	14.4	439	439		1619	13.7	418	418		1607	16.4	500	500		1515	13.0	396	396		1457	15.6	475	475		1457	15.6	475	475
6 Fri	317	14.2	433	433	21 Sat	248	15.5	472	472	6 Mon	423	13.9	424	424	21 Tue	427	16.6	506	506	6 Mon	322	13.2	402	402	21 Tue	320	15.7	479	479	21 Tue	936	-1.2	-37	-37
	939	1.3	40	40		921	-0.5	-15	-15		1033	0.5	15	15		1040	-2.3	-70	-70		934	1.2	37	37		936	-1.2	-37	-37					
	1557	13.8	421	421		1528	15.4	469	469		1653	14.2	433	433		1656	17.2	524	524		1550	13.8	421	421		1546	16.6	506	506		1546	16.6	506	506
7 Sat	359	14.3	436	436	22 Sun	344	16.2	494	494	7 Tue	500	14.2	433	433	22 Wed	517	16.9	515	515	7 Tue	359	13.8	421	421	22 Wed	410	16.4	500	500	22 Wed	1020	-1.9	-58	-58
	1016	1.0	30	30		1010	-1.5	-46	-46		1107	0.2	6	6		1123	-2.5	-76	-76		1009	0.5	15	15		1020	-1.9	-58	-58					
	1637	14.1	430	430		1622	16.4	500	500		1726	14.6	445	445		1742	17.5	533	533		1622	14.4	439	439		1632	17.2	524	524		1632	17.2	524	524
8 Sun	439	14.4	439	439	23 Mon	439	16.7	509	509	8 Wed	535	14.3	436	436	23 Thu	604	16.8	512	512	8 Wed	434	14.3	436	436	23 Thu	456	16.7	509	509	23 Thu	1101	-2.0	-61	-61
	1052	0.8	24	24		1057	-2.1	-64	-64		1140	0.2	6	6		1207	-2.1	-64	-64		1042	0.1	3	3		1101	-2.0	-61	-61					
	1715	14.3	436	436		1714	17.0	518	518		1758	14.7	448	448		1827	17.3	527	527		1654	14.9	454	454		1716	17.4	530	530		1716	17.4	530	530
9 Mon	518	14.4	439	439	24 Tue	532	17.0	518	518	9 Thu	2	0.9	27	27	24 Fri	31	-1.7	-52	-52	9 Thu	508	14.6	445	445	24 Fri	541	16.5	503	503	24 Fri	1142	-1.6	-49	-49
	1128	0.8	24	24		1143	-2.2	-67	-67		608	14.3	436	436		649	16.2	494	494		1114	-0.1	-3	-3		1142	-1.6	-49	-49					
	1751	14.4	439	439		1804	17.3	527	527		1214	0.4	12	12		1250	-1.2	-37	-37		1725	15.2	463	463		1759	17.1	521	521					
10 Tue	555	14.3	436	436	25 Wed	7	-1.2	-37	-37	10 Fri	37	1.0	30	30	25 Sat	117	-0.8	-24	-24	10 Fri	541	14.7	448	448	25 Sat	5	-1.6	-49	-49	25 Sat	624	15.9	485	485
	1203	1.0	30	30		623	16.8	512	512		640	14.1	430	430		733	15.2	463	463		1147	0.0	0	0		624	15.9	485	485					
	1825	14.4	439	439		1229	-1.8	-55	-55		1248	0.9	27	27		1335	0.0	0	0		1756	15.3	466	466		1223	-0.7	-21	-21		1840	16.3	497	497
11 Wed	26	2.2	67	67	26 Thu	55	-0.9	-27	-27	11 Sat	114	1.3	40	40	26 Sun	204	0.4	12	12	11 Sat	10	0.0	0	0	26 Sun	47	-0.7	-21	-21	26 Sun	705	15.0	457	457
	631	14.0	427	427		711	16.2	494	494		714	13.7	418	418		817	13.9	424	424		614	14.6	445	445		1305	0.6	18	18					
	1239	1.4	43	43		1317	-0.9	-27	-27		1324	1.4	43	43		1423	1.4	43	43		1220	0.4	12	12		1920	15.3	466	466					
12 Thu	104	2.4	73	73	27 Fri	145	-0.1	-3	-3	12 Sun	154	1.7	52	52	27 Mon	255	1.6	49	49	12 Sun	45	0.3	9	9	27 Mon	131	0.5	15	15	27 Mon	747	13.9	424	424
	706	13.7	418	418		759	15.3	466	466		750	13.2	402	402		907	12.6	384	384		649	14.2	433	433		1350	1.9	58	58					
	1317	1.9	58	58		1406	0.2	6	6		1404	2.1	64	64		1515	2.8	85	85		1256	1.0	30	30		1350	1.9	58	58					
13 Fri	146	2.8	85	85	28 Sat	238	0.8	24	24	13 Mon	239	2.2	67	67	28 Tue	351	2.7	82	82	13 Mon	125	0.9	27	27	28 Tue	218	1.8	55	55	28 Tue	832	12.6	384	384
	742	13.2	402	402		850	14.1	430	430		832	12.6	384	384		1008	11.4	347	347		726	13.7	418	418		832	12.6	384	384					
	1357	2.4	73	73		1459	1.4	43	43		1451	2.8	85	85		1615	3.9	119	119		1336	1.7	52	52		1440	3.3	101	101					
14 Sat	230	3.1	94	94	29 Sun	334	1.8	55	55	14 Tue	333	2.6	79	79	28 Tue	2229	11.9	363	363	13 Mon	1939	14.3	436	436	28 Tue	2046	12.7	387	387	29 Wed	312	3.0	91	91
	821	12.8	390	390		946	12.9	393	393		927	12.0	366	366		2126	13.0	396	396		726	13.7	418	418		927	11.6	354	354					
	1440	3.0	91	91		1554	2.6	79	79		1548	3.3	101	101		2126	13.0	396	396		1336	1.7	52	52		1440	3.3	101	101					
15 Sun	319	3.3	101	101	30 Mon	433	2.6	79	79	15 Wed	436	2.8	85	85	15 Wed	306	2.2	67	67	15 Wed	306	2.2	67	67	30 Thu	1043	10.9	332	332					
	909	12.3	375	375		1053	12.0	366	3																									

## Balboa, Pacific Ocean

### Times and Heights of High and Low Waters - year 2023

April				May				June											
Hour	Height			Hour	Height			Hour	Height			Hour	Height						
	h	m	pies	cm	h	m	pies	cm	h	m	pies	cm	h	m	pies	cm			
<b>1</b> Sat	24	11.1	338		<b>1</b> Mon	39	11.7	357		<b>1</b> Thu	124	13.1	399		<b>1</b> Fri	221	14.3	436	
	632	4.1	125			641	4.0	122			733	3.5	107			825	2.6	79	
	1312	11.6	354			1308	12.8	390			1338	14.5	442			1432	15.5	472	
	1911	4.4	134			1921	3.8	116			2011	2.3	70			2055	1.3	40	
<b>2</b> Sun	124	11.6	354		<b>2</b> Tue	128	12.5	381		<b>2</b> Fri	209	13.9	424		<b>2</b> Sat	309	14.5	442	
	732	3.5	107			734	3.4	104			823	2.8	85			913	2.4	73	
	1358	12.4	378			1348	13.6	415			1420	15.3	466			1517	15.5	472	
	2005	3.5	107			2008	2.8	85			2056	1.3	40			2139	1.0	30	
<b>3</b> Mon	210	12.4	378		<b>3</b> Wed	209	13.3	405		<b>3</b> Sat	253	14.6	445		<b>3</b> Sun	354	14.7	448	
	821	2.6	79			820	2.6	79			909	2.1	64			956	2.2	67	
	1436	13.2	402			1425	14.4	439			1503	15.9	485			1600	15.4	469	
	2049	2.4	73			2050	1.7	52			2139	0.4	12			2219	0.8	24	
<b>4</b> Tue	250	13.2	402		<b>4</b> Thu	248	14.0	427		<b>4</b> Sun	338	15.2	463		<b>4</b> Mon	439	14.7	448	
	901	1.8	55			901	1.9	58			953	1.5	46			1037	2.2	67	
	1510	14.1	430			1501	15.1	460			1548	16.3	497			1643	15.3	466	
	2126	1.4	43			2129	0.8	24			2221	-0.2	-6			2258	0.9	27	
<b>5</b> Wed	326	13.9	424		<b>5</b> Fri	326	14.7	448		<b>5</b> Sat	426	15.7	479		<b>5</b> Tue	521	14.7	448	
	938	1.0	30			940	1.3	40			1037	1.1	34			1116	2.4	73	
	1543	14.8	451			1537	15.7	479			1622	16.3	497			1725	15.0	457	
	2201	0.5	15			2206	0.1	3			2239	-0.2	-6			2336	1.1	34	
<b>6</b> Thu	402	14.5	442		<b>6</b> Sat	406	15.2	463		<b>6</b> Sun	515	16.0	488		<b>6</b> Wed	602	14.6	445	
	1012	0.5	15			1018	0.8	24			1122	0.9	27			1156	2.7	82	
	1616	15.3	466			1616	16.1	491			1704	15.9	485			1806	14.6	445	
	2235	-0.1	-3			2243	-0.4	-12			2317	0.1	3			2349	-0.4	-12	
<b>7</b> Fri	437	14.9	454		<b>7</b> Sun	447	15.5	472		<b>7</b> Mon	539	15.1	460		<b>7</b> Thu	14	1.5	46	
	1046	0.2	6			1056	0.7	21			1134	1.7	52			641	14.5	442	
	1650	15.7	479			1657	16.2	494			1745	15.4	469			1237	3.1	94	
	2309	-0.4	-12			2322	-0.5	-15			2356	0.7	21			1845	14.2	433	
<b>8</b> Sat	513	15.1	460		<b>8</b> Mon	530	15.5	472		<b>8</b> Tue	620	14.7	448		<b>8</b> Fri	54	2.1	64	
	1120	0.2	6			1137	0.8	24			1215	2.4	73			718	14.2	433	
	1724	15.8	482			1740	16.1	491			1826	14.7	448			1320	3.5	107	
	2344	-0.4	-12													1924	13.7	418	
<b>9</b> Sun	550	15.1	460		<b>9</b> Tue	4	-0.2	-6		<b>9</b> Wed	36	1.4	43		<b>9</b> Fri	136	2.7	82	
	1156	0.5	15			616	15.4	469			701	14.2	433			755	13.9	424	
	1800	15.7	479			1220	1.3	40			1258	3.2	98			1406	3.9	119	
						1826	15.7	479			1907	14.0	427			2004	13.2	402	
<b>10</b> Mon	22	-0.1	-3		<b>10</b> Wed	49	0.3	9		<b>10</b> Thu	119	2.3	70		<b>10</b> Sat	220	3.3	101	
	629	14.8	451			704	15.1	460			743	13.6	415			835	13.6	415	
	1235	1.1	34			1310	1.9	58			1346	3.9	119			1456	4.2	128	
	1839	15.3	466			1916	15.1	460			1949	13.2	402			2048	12.7	387	
<b>11</b> Tue	103	0.5	15		<b>11</b> Thu	141	1.1	34		<b>11</b> Fri	206	3.1	94		<b>11</b> Sun	308	3.8	116	
	711	14.3	436			756	14.6	445			827	13.1	399			918	13.3	405	
	1319	1.8	55			1407	2.6	79			1439	4.5	137			1547	4.4	134	
	1923	14.7	448			2012	14.4	439			2035	12.5	381			2138	12.3	375	
<b>12</b> Wed	152	1.3	40		<b>12</b> Fri	241	1.8	55		<b>12</b> Sat	258	3.8	116		<b>12</b> Mon	357	4.2	128	
	759	13.7	418			856	14.2	433			916	12.7	387			1008	13.2	402	
	1413	2.7	82			1513	3.0	91			1537	4.9	149			1640	4.3	131	
	2013	13.8	421			2118	13.7	418			2131	12.0	366			2238	12.1	369	
<b>13</b> Thu	250	2.1	64		<b>13</b> Sat	346	2.4	73		<b>13</b> Sun	353	4.2	128		<b>13</b> Tue	450	4.4	134	
	858	13.0	396			1005	13.9	424			1014	12.5	381			1105	13.3	405	
	1518	3.3	101			1623	3.2	98			1635	4.9	149			1736	4.1	125	
	2119	13.0	396			2235	13.3	405			2236	11.7	357			2341	12.3	375	
<b>14</b> Fri	358	2.6	79		<b>14</b> Sun	453	2.6	79		<b>14</b> Mon	449	4.4	134		<b>14</b> Wed	547	4.3	131	
	1014	12.7	387			1119	14.1	430			1115	12.6	384			1202	13.7	418	
	1632	3.6	110			1732	2.9	88			1733	4.6	140			1834	3.5	107	
	2243	12.6	384			2352	13.5	411			2341	11.9	363						
<b>15</b> Sat	511	2.7	82		<b>15</b> Mon	559	2.5	76		<b>15</b> Tue	545	4.4	134		<b>15</b> Thu	40	12.8	390	
	1137	13.0	396			1225	14.7	448			1209	13.1	399			647	4.0	122	
	1749	3.2	98			1838	2.3	70			1829	4.0	122			1255	14.3	436	
																1931	2.7	82	
								<b>31</b> Wed	37	12.4	378								
									640	4.0	122								
									1256	13.8	421								
									1922	3.2	98								

## Balboa, Pacific Ocean

### Times and Heights of High and Low Waters - year 2023

July					August					September													
Hour		Height		Day	Hour		Height		Day	Hour		Height		Day	Hour		Height						
h	m	pies	cm		h	m	pies	cm		h	m	pies	cm		h	m	pies	cm					
<b>1 Sat</b>	133	13.6	415	<b>16 Sun</b>	254	13.7	418	<b>1 Tue</b>	259	15.3	466	<b>16 Wed</b>	402	14.4	439	<b>1 Fri</b>	425	17.8	543	<b>16 Sat</b>	435	15.6	475
	746	3.4	104		856	3.4	104		916	1.5	46		1003	2.5	76		1036	-1.2	-37		1046	1.1	34
	1346	15.0	457		1500	14.6	445		1516	16.3	497		1608	14.6	445		1647	17.7	540		1650	15.4	469
	2025	1.8	55		2122	1.9	58		2146	-0.3	-9		2218	1.3	40		2258	-1.7	-52		2257	0.9	27
<b>2 Sun</b>	224	14.4	439	<b>17 Mon</b>	340	14.0	427	<b>2 Wed</b>	353	16.3	497	<b>17 Thu</b>	437	14.8	451	<b>2 Sat</b>	513	18.3	558	<b>17 Sun</b>	506	15.8	482
	842	2.6	79		940	3.0	91		1007	0.4	12		1038	2.0	61		1121	-1.5	-46		1118	0.9	27
	1437	15.7	479		1544	14.7	448		1611	16.9	515		1644	14.9	454		1735	17.8	543		1723	15.4	469
	2115	0.7	21		2202	1.5	46		2233	-1.1	-34		2252	1.0	30		2342	-1.5	-46		2329	1.1	34
<b>3 Mon</b>	316	15.2	463	<b>18 Tue</b>	423	14.4	439	<b>3 Thu</b>	446	17.2	524	<b>18 Fri</b>	511	15.2	463	<b>3 Sun</b>	559	18.3	558	<b>18 Mon</b>	536	15.8	482
	933	1.7	52		1021	2.6	79		1054	-0.4	-12		1112	1.6	49		1206	-1.3	-40		1151	1.0	30
	1529	16.3	497		1626	14.8	451		1704	17.4	530		1720	15.0	457		1823	17.4	530		1755	15.2	463
	2203	-0.1	-3		2239	1.2	37		2318	-1.5	-46		2325	1.0	30		2358	1.2	37		1909	16.5	503
<b>4 Tue</b>	409	15.9	485	<b>19 Wed</b>	503	14.6	445	<b>4 Fri</b>	536	17.7	540	<b>19 Sat</b>	543	15.3	466	<b>4 Mon</b>	26	-0.8	-24	<b>19 Tue</b>	2	1.5	46
	1021	1.0	30		1059	2.4	73		1141	-0.7	-21		1146	1.6	49		645	17.8	543		607	15.7	479
	1622	16.7	509		1707	14.8	451		1755	17.5	533		1753	15.0	457		1252	-0.5	-15		1225	1.4	43
	2249	-0.7	-21		2315	1.1	34		1845	17.2	524		2358	1.2	37		1909	16.5	503		1828	14.9	454
<b>5 Wed</b>	502	16.5	503	<b>20 Thu</b>	540	14.8	451	<b>5 Sat</b>	4	-1.4	-43	<b>20 Sun</b>	613	15.3	466	<b>5 Tue</b>	112	0.3	9	<b>20 Wed</b>	36	2.1	64
	1109	0.5	15		1136	2.3	70		625	17.9	546		1221	1.7	52		730	16.8	512		639	15.3	466
	1717	16.9	515		1745	14.8	451		1229	-0.6	-18		1826	14.8	451		1340	0.6	18		1302	2.0	61
	2335	-0.9	-27		2351	1.3	40		1845	17.2	524		2196	15.4	469		1956	15.4	469		1904	14.4	439
<b>6 Thu</b>	554	16.9	515	<b>21 Fri</b>	615	14.9	454	<b>6 Sun</b>	51	-0.8	-24	<b>21 Mon</b>	32	1.6	49	<b>6 Wed</b>	201	1.7	52	<b>21 Thu</b>	114	2.8	85
	1158	0.3	9		1213	2.4	73		712	17.6	536		643	15.2	463		816	15.6	475		715	14.8	451
	1810	16.9	515		1821	14.6	445		1319	0.0	0		1256	2.1	64		1433	1.9	58		1345	2.7	82
									1934	16.4	500		1858	14.4	439		2047	14.0	427		1945	13.8	421
<b>7 Fri</b>	23	-0.7	-21	<b>22 Sat</b>	27	1.6	49	<b>7 Mon</b>	141	0.2	6	<b>22 Tue</b>	106	2.2	67	<b>7 Thu</b>	255	3.1	94	<b>22 Fri</b>	159	3.6	110
	645	17.1	521		648	14.8	451		800	16.9	515		714	14.9	454		908	14.3	436		758	14.2	433
	1248	0.5	15		1251	2.7	82		1411	0.8	24		1334	2.6	79		1531	3.1	94		1437	3.4	104
	1903	16.6	506		1856	14.3	436		2024	15.4	469		1932	13.9	424		2148	12.8	390		2035	13.1	399
<b>8 Sat</b>	113	-0.2	-6	<b>23 Sun</b>	104	2.1	64	<b>8 Tue</b>	233	1.4	43	<b>23 Wed</b>	144	2.9	88	<b>8 Fri</b>	357	4.3	131	<b>23 Sat</b>	257	4.3	131
	735	16.9	515		720	14.6	445		850	15.9	485		747	14.5	442		1012	13.1	399		854	13.5	411
	1342	0.9	27		1331	3.0	91		1507	1.8	55		1418	3.1	94		1635	4.0	122		1541	3.9	119
	1955	16.0	488		1931	13.8	421		2119	14.2	433		2011	13.3	405		2307	12.1	369		2145	12.6	384
<b>9 Sun</b>	207	0.6	18	<b>24 Mon</b>	142	2.7	82	<b>9 Wed</b>	329	2.6	79	<b>24 Thu</b>	228	3.6	110	<b>9 Sat</b>	505	5.1	155	<b>24 Sun</b>	409	4.7	143
	827	16.4	500		753	14.3	436		945	14.8	451		828	14.0	427		1131	12.5	381		1012	13.0	396
	1439	1.5	46		1414	3.4	104		1606	2.7	82		1508	3.6	110		1745	4.4	134		1655	3.9	119
	2050	15.1	460		2008	13.3	405		2223	13.1	399		2100	12.7	387						2313	12.7	387
<b>10 Mon</b>	303	1.5	46	<b>25 Tue</b>	224	3.3	101	<b>10 Thu</b>	428	3.6	110	<b>25 Fri</b>	322	4.2	128	<b>10 Sun</b>	28	12.1	369	<b>25 Mon</b>	527	4.5	137
	921	15.8	482		829	14.0	427		1049	13.9	424		921	13.4	408		619	5.2	158		1143	13.2	402
	1538	2.0	61		1500	3.7	113		1709	3.4	104		1608	3.9	119		1244	12.5	381		1811	3.4	104
	2150	14.3	436		2050	12.8	390		2337	12.5	381		2207	12.3	375		1854	4.3	131				
<b>11 Tue</b>	400	2.3	70	<b>26 Wed</b>	309	3.8	116	<b>11 Fri</b>	533	4.4	134	<b>26 Sat</b>	427	4.6	140	<b>11 Mon</b>	131	12.6	384	<b>26 Tue</b>	32	13.6	415
	1021	15.1	460		912	13.7	418		1159	13.4	408		1034	13.1	399		726	4.8	146		643	3.6	110
	1639	2.5	76		1551	3.9	119		1816	3.7	113		1718	3.9	119		1342	13.0	396		1258	14.2	433
	2257	13.6	415		2142	12.4	378						2330	12.4	378		1953	3.7	113		1919	2.4	73
<b>12 Wed</b>	500	3.1	94	<b>27 Thu</b>	401	4.3	131	<b>12 Sat</b>	50	12.5	381	<b>27 Sun</b>	542	4.5	137	<b>12 Tue</b>	218	13.3	405	<b>27 Wed</b>	133	14.9	454
	1124	14.6	445		1006	13.4	408		642	4.6	140		1156	13.4	408		820	4.0	122		749	2.2	67
	1741	2.8	85		1648	4.0	122		1304	13.3	405		1831	3.3	101		1427	13.6	415		1357	15.4	469
					2248	12.2	372		1921	3.6	110						2039	2.9	88		2017	1.1	34
<b>13 Thu</b>	5	13.2	402	<b>28 Fri</b>	500	4.5	137	<b>13 Sun</b>	150	12.8	390	<b>28 Mon</b>	46	13.2	402	<b>13 Wed</b>	257	14.0	427	<b>28 Thu</b>	226	16.3	497
	602	3.6	110		1112	13.5	411		746	4.4	134		658	3.8	116		902	3.1	94		844	0.7	21
	1226	14.4	439		1751	3.7	113		1359	13.5	411		1308	14.2	433		1506	14.2	433		1449	16.5	503
	1844	2.9	88						2018	3.1	94		1939	2.3	70		2118	2.2	67		2107	-0.1	-3
<b>14 Fri</b>	109	13.2	402	<b>29 Sat</b>	0	12.5	381	<b>14 Mon</b>	240	13.3	405	<b>29 Tue</b>	149	14.4	439	<b>14 Thu</b>	332	14.6	445	<b>29 Fri</b>	314	17.4	530
	705	3.8	116		608	4.4	134		840	3.8	116		805	2.5	76		939	2.2	67		932	-0.6	-18
	1322	14.4	439		1220	13.9	424		1446	13.9	424		1409	15.3	466		1542	14.7	448		1539	17.3	527
	1944	2.7	82		1857	3.1	94		2104	2.4	73		2104	2.4	73		2037	0.9	27		2152	1.5	46
<b>15 Sat</b>	204	13.4	408	<b>30 Sun</b>	105	13.2	402	<b>15 Tue</b>	323	13.8	421	<b>30 Wed</b>	244	15.7	479	<b>15 Fri</b>	404	15.2	463	<b>30 Sat</b>	401	18.1	552
	804	3.7	113		717	3.8	116		924	3.1	94		901	1.1	34		1013	1.5	46		1016	-1.4	-43
	1413	14.5	442		1322	14.6	445		1528	14.3	436		1504	16.4	500		1617	15.1	460		1626	17.7	540
	2037	2.3	70		2000	2.1	64		2143	1.8	55		2128	-0.3	-9		2225	1.1	34		2236	-1.3	-40
			<b>31 Mon</b>	204	14.2	433				<b>31 Thu</b>	335	16.9	515										
				821	2.7	82					951	-0.2	-6										

Panama Canal (HIAM)  
Jorge F. Rodríguez C.



New Moon



First Quarter



Full Moon



## Balboa, Pacific Ocean

### Times and Heights of High and Low Waters - year 2023

October				November				December																					
Hour	Height			Hour	Height			Hour	Height			Hour	Height																
	h	m	pies	cm		h	m	pies	cm		h	m	pies	cm		h	m	pies	cm										
1 Sun	447	18.4	561		16 Mon	429	16.2	494		1 Wed	549	16.9	515		16 Thu	515	16.2	494		1 Fri	611	15.4	469		16 Sat	552	16.1	491	
	1059	-1.6	-49			1050	0.6	18			1200	0.0	0			1141	0.5	15			1220	1.1	34			1211	-0.1	-3	
	1713	17.7	540			1653	15.7	479			1821	15.9	485			1751	15.6	475			1846	14.9	454			1829	16.0	488	
	2318	-1.0	-30			2302	1.3	40								2357	1.9	58											
2 Mon	532	18.2	555		17 Tue	502	16.2	494		2 Thu	19	1.7	52		17 Fri	559	15.9	485		2 Sat	43	2.8	85		17 Sun	34	1.3	40	
	1141	-1.3	-40			1124	0.6	18			633	16.0	488			1223	0.9	27			654	14.6	445			643	15.8	482	
	1759	17.2	524			1728	15.6	475			1242	1.1	34			1836	15.4	469			1302	2.0	61			1300	0.4	12	
						2336	1.6	49			1906	15.0	457								1928	14.3	436			1919	15.9	485	
3 Tue	0	-0.3	-9		18 Wed	537	16.1	491		3 Fri	104	2.8	85		18 Sat	43	2.4	73		3 Sun	130	3.6	110		18 Mon	127	1.6	49	
	616	17.6	536			1200	0.9	27			716	14.9	454			647	15.4	469			737	13.7	418			735	15.3	466	
	1224	-0.4	-12			1806	15.3	466			1329	2.3	70			1311	1.6	49			1349	2.9	88			1353	1.0	30	
	1844	16.3	497								1952	14.1	430			1926	15.0	457			2012	13.7	418			2011	15.6	475	
4 Wed	44	0.9	27		19 Thu	12	2.1	64		4 Sat	155	4.0	122		19 Sun	136	3.0	91		4 Mon	222	4.3	131		19 Tue	225	2.0	61	
	700	16.5	503			614	15.7	479			803	13.7	418			739	14.7	448			823	12.9	393			831	14.6	445	
	1310	0.8	24			1239	1.5	46			1421	3.5	107			1407	2.3	70			1439	3.7	113			1451	1.7	52	
	1929	15.2	463			1846	14.9	454			2043	13.2	402			2021	14.6	445			2100	13.1	399			2107	15.2	463	