

# TIDES : DAILY HIGH AND LOW WATERS

Month.....JULY.....Station.....AO PO.....Year...2015.....

Date	HIGH WATER				Moon's Phase	Date	LOW WATER				Remark
	Higher H.W.		Lower H.W.				Higher L.W.		Lower L.W.		
	Time	Height	Time	Height			Time	Height	Time	Height	
	h m	meter	h m	meter			h m	meter	h m	meter	
1	1000	3.59	2230	3.28		1	0350	1.14	1625	0.92	
2	1040	3.70	2303	3.36	☉	2	0425	0.99	1700	0.78	
3	1133	3.79	2342	3.43		3	0523	0.95	1748	0.70	
4	1200	3.82	-	-		4	0540	0.91	1820	0.73	
5	1300	3.79	0035	3.42		5	0630	0.96	1918	0.80	
6	1330	3.74	0118	3.44		6	0700	1.12	2010	0.93	
7	1430	3.59	0210	3.39		7	0822	1.24	2040	1.12	
8	1500	3.43	0247	3.29		8	0910	1.46	2115	1.29	
9	0410	3.28	1615	3.15	☾	9	0932	1.62	2155	1.45	
10	0507	3.20	1740	2.90		10	1110	1.68	2325	1.54	
11	0620	3.10	1847	2.83		11	-	-	1235	1.64	
12	0250	3.19	2013	2.91		12	1410	1.50	0118	1.49	
13	0820	3.38	2055	3.07		13	0213	1.47	1450	1.33	
14	0920	3.48	2215	3.18		14	0325	1.36	1545	1.17	
15	1010	3.56	2245	3.27		15	0400	1.26	1630	1.04	
16	1057	3.66	2310	3.29	●	16	0453	1.13	1700	0.97	
17	1125	3.74	-	-		17	0538	1.14	1740	0.93	
18	1208	3.81	0010	3.40		18	0545	1.16	1815	0.96	
19	1230	3.66	0025	3.43		19	0600	1.23	1840	0.96	
20	1308	3.53	0050	3.34		20	0645	1.23	1915	1.05	
21	1332	3.38	0133	3.20		21	0710	1.36	1940	1.09	
22	1400	3.19	0212	3.11		22	0800	1.39	2000	1.26	
23	1430	3.03	0230	2.96		23	0800	1.54	2030	1.43	
24	0310	2.91	1517	2.84	☾	24	0900	1.75	2155	1.56	
25	0410	2.85	1657	2.70		25	1005	1.85	2243	1.70	
26	0547	2.86	1808	2.67		26	-	-	1120	1.92	
27	0700	3.01	2010	2.83		27	1325	1.82	0040	1.79	
28	0813	3.24	2045	3.04		28	0142	1.65	1410	1.57	
29	0918	3.44	2140	3.19		29	0240	1.47	1513	1.22	
30	0955	3.62	2220	3.33		30	0330	1.22	1600	0.92	
31	1012	3.80	2300	3.42	☉	31	0420	1.02	1640	0.75	
Monthly						Monthly					
Sum		106.37		91.67		Sum		38.62		37.01	
Mean						Mean					
mean MSL						mean MSL					
H' est HW	=	3.820				L' est LW	=	0.700			
MHHW	=	3.431				MLLW	=	1.194			
MLHW	=	3.161				MHLW	=	1.332			
MHW	=	3.301				MLW	=	1.261			
M.S.L.	=	2.328				M.T.L.	=	2.281			
MHWS	=	2.903				MLWS	=	0.818			
MHWN	=	3.000				MLWN	=	1.602			
Mn.sp.range	=	2.086				Sp.range					
Mn.np.range	=	1.398				Np.range					
Mn.range	=	2.040									