

# TIDES : DAILY HIGH AND LOW WATERS

Station.....AO PO.....Month.....DECEMBER.....Year...2016.....

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	
1	2345	3.68	1130	3.33		1	1730	1.17	0530	0.98			
2	1200	3.37	-	-		2	1810	1.27	0600	1.01			
3	0030	3.68	1238	3.35		3	1845	1.34	0615	1.12			
4	0050	3.61	1318	3.22		4	1915	1.46	0655	1.16			
5	0130	3.48	1400	3.05		5	2000	1.58	0740	1.30			
6	0148	3.25	1430	2.87		6	2100	1.74	0835	1.41			
7	0230	3.08	1550	2.90	☾	7	2210	1.98	0930	1.66			
8	1728	3.25	0410	3.03		8	2350	2.01	1045	1.77			
9	1853	3.34	0530	3.14		9	-	-	1200	1.68			
10	2000	3.62	0720	3.28		10	-	-	1345	1.47			
11	2040	3.84	0817	3.48		11	0205	1.62	1410	1.32			
12	2137	4.02	0900	3.58		12	0245	1.22	1510	0.90			
13	2230	4.05	0935	3.65		13	0325	0.92	1550	0.79			
14	2310	3.95	1040	3.56	○	14	1640	0.83	0430	0.80			
15	1123	3.56	-	-		15	1750	0.90	0510	0.87			
16	0000	3.94	1215	3.48		16	1830	1.04	0600	0.75			
17	0020	3.86	1300	3.33		17	1855	1.12	0650	0.82			
18	0100	3.63	1320	3.20		18	1945	1.31	0720	0.91			
19	0135	3.40	1425	3.02		19	2020	1.53	0755	1.14			
20	0200	3.25	1525	2.99		20	2100	1.80	0840	1.41			
21	0242	3.00	1600	2.88	☾	21	2200	1.92	0935	1.61			
22	1715	2.99	0333	2.88		22	2320	2.05	1033	1.84			
23	1840	3.04	0520	2.85		23	-	-	1200	1.81			
24	1940	3.16	0700	2.86		24	0100	1.97	1300	1.75			
25	2040	3.28	0815	2.97		25	0155	1.70	1410	1.65			
26	2115	3.39	0910	3.04		26	0240	1.52	1500	1.44			
27	2145	3.51	0920	3.09		27	1600	1.39	0330	1.32			
28	2235	3.55	1007	3.20		28	1620	1.24	0400	1.15			
29	2300	3.68	1038	3.24	●	29	1700	1.13	0435	0.99			
30	2343	3.74	1105	3.28		30	1720	1.10	0507	0.91			
31	1140	3.29	-	-		31	1810	1.05	0545	0.88			
Monthly						Monthly							
Sum		108.49		88.75		Sum		39.91		38.62			
Mean						Mean							
mean MSL						mean MSL							
H'est HW	=	4.050				L'est LW	=	0.750					
MHHW	=	3.500				MLLW	=	1.246					
MLHW	=	3.170				MHLW	=	1.425					
MHW	=	3.343				MLW	=	1.331					
M.S.L.	=	2.381				M.T.L.	=	2.337					
MHWS	=	3.584				MLWS	=	0.903					
MHWN	=	3.046				MLWN	=	1.646					
Mn.sp.range	=	2.681				Sp.range							
Mn.np.range	=	1.400				Np.range							
Mn.range	=	2.012											