

# TIDES : DAILY HIGH AND LOW WATERS

Station.....PAKPANANG.....Month.....NOVEMBER.....Year...2017.....

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	2130	3.07	1030	3.03		1	1530	2.68	0700	2.58			
2	2200	3.16	1130	3.03		2	1610	2.66	0335	2.60			
3	1130	3.35	2330	3.27		3	1710	2.94	0325	2.79			
4	1140	3.48	-	-	☉	4	0520	2.88	2030	2.85			
5	1320	3.43	0050	3.15		5	-	-	0610	2.61			
6	1350	3.44	-	-		6	-	-	0700	2.84			
7	1500	3.36	-	-		7	-	-	0830	2.77			
8	1530	3.37	-	-		8	-	-	0910	2.76			
9	1630	3.35	-	-		9	-	-	0950	2.79			
10	1730	3.36	-	-		10	-	-	1000	2.77			
11	1810	3.32	-	-	☾	11	-	-	1130	2.80			
12	1900	3.19	-	-		12	-	-	1230	2.81			
13	2030	3.19	-	-		13	-	-	1230	2.81			
14	2130	3.15	-	-		14	-	-	1430	2.78			
15	-	-	-	-		15	-	-	1810	2.76			
16	1130	3.12	-	-		16	-	-	-	-			
17	1210	3.14	-	-		17	-	-	0600	2.71			
18	1240	3.10	-	-	●	18	-	-	0710	2.66			
19	1350	3.12	-	-		19	-	-	0710	2.58			
20	1430	3.11	-	-		20	-	-	0810	2.58			
21	1450	3.18	-	-		21	-	-	0830	2.60			
22	1450	3.17	-	-		22	-	-	0850	2.63			
23	1500	3.20	-	-		23	-	-	0930	2.63			
24	1620	3.39	-	-		24	-	-	0810	2.77			
25	1510	3.37	-	-		25	-	-	0853	2.89			
26	1850	3.34	-	-		26	-	-	0900	2.95			
27	-	-	-	-	☽	27	-	-	1030	3.08			
28	1930	3.47	-	-		28	-	-	-	-			
29	-	-	-	-		29	-	-	-	-			
30	-	-	-	-		30	-	-	-	-			
31						31							
Monthly						Monthly							
Sum		84.93		12.48		Sum		11.16		71.4			
Mean						Mean							
mean MSL						mean MSL							
H'est HW	=	3.480				L'est LW	=	2.580					
MHHW	=	3.267				MLLW	=	2.746					
MLHW	=	3.120				MHLW	=	2.790					
MHW	=	3.247				MLW	=	2.752					
M.S.L.	=	2.987				M.T.L.	=	3.000					
MHWS	=	3.259				MLWS	=	2.744					
MHWN	=	3.312				MLWN	=	2.870					
Mn.sp.range	=	0.515				Sp.range							
Mn.np.range	=	0.442				Np.range							
Mn.range	=	0.495											