

TIDES : DAILY HIGH AND LOW WATERS

Station.....PAKPANANG.....Month.....OCTOBER.....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 m	meter	
1	2050	2.85	-	-		1	-	-	0630	2.14	
2	1150	2.52	-	-		2	1520	2.27	0400	2.20	
3	0000	2.85	1310	2.51		3	1710	2.17	0830	2.15	
4	0030	2.81	1310	2.73		4	1730	2.41	0800	2.23	
5	0000	3.05	1320	2.90		5	0800	2.44	1850	2.36	
6	0110	2.99	1330	2.89	☉	6	1930	2.34	0820	2.34	
7	1420	3.05	0130	2.95		7	2130	2.36	0830	2.34	
8	1430	3.13	0220	2.90		8	2210	2.89	0850	2.32	
9	1540	3.18	0250	2.93		9	2310	2.44	0910	2.37	
10	1610	3.25	0330	2.83		10	-	-	1000	2.29	
11	1710	3.22	0430	2.77		11	0030	2.42	1030	2.26	
12	1730	3.17	0510	2.61	☾	12	0150	2.41	1050	2.23	
13	1730	3.10	-	-		13	-	-	1130	2.26	
14	2010	2.88	-	-		14	-	-	1150	2.08	
15	2120	2.97	-	-		15	-	-	0630	2.26	
16	2230	2.95	1200	2.47		16	0830	2.25	1530	2.23	
17	2330	3.09	1140	2.77		17	1630	2.43	0610	2.32	
18	1300	2.99	-	-		18	1730	2.52	0630	2.49	
19	1310	3.06	0020	3.05		19	1830	2.55	0700	2.41	
20	1300	3.03	0050	2.95	●	20	2030	2.39	0700	2.39	
21	1430	3.09	0200	2.86		21	-	-	0820	2.33	
22	1410	3.17	-	-		22	0830	2.42	2310	2.40	
23	1510	3.11	0250	2.81		23	2330	2.40	0920	2.35	
24	1500	3.33	0330	2.70		24	-	-	0830	2.37	
25	1630	3.21	-	-		25	-	-	0950	2.46	
26	1530	3.11	-	-		26	-	-	0930	2.29	
27	1730	3.28	-	-		27	-	-	0945	2.47	
28	1430	3.19	-	-	☽	28	-	-	1030	2.44	
29	1910	3.29	-	-		29	-	-	0430	2.65	
30	2000	3.35	-	-		30	-	-	0330	2.75	
31	2120	3.20	0940	2.98		31	1330	2.73	0530	2.66	
Monthly						Monthly					
Sum		95.47		50.61		Sum		43.84		72.84	
Mean						Mean					
mean MSL						mean MSL					
H'est HW	=	3.350				L'est LW	=	2.080			
MHWW	=	3.080				MLLW	=	2.350			
MLHW	=	2.812				MHLW	=	2.436			
MHW	=	2.981				MLW	=	2.381			
M.S.L.	=	2.673				M.T.L.	=	2.681			
MHWS	=	3.005				MLWS	=	2.419			
MHWN	=	3.086				MLWN	=	2.397			
Mn.sp.range	=	0.586				Sp.range					
Mn.np.range	=	0.689				Np.range					
Mn.range	=	0.600									