

TIDES : DAILY HIGH AND LOW WATERS

Station.....PAKPANANG.....Month.....JULY.....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	
1	2220	2.94	0910	2.38		1	-	-	1440	1.94	
2	2330	3.01	-	-		2	-	-	1630	2.06	
3	-	-	-	-		3	-	-	1710	1.91	
4	0030	3.03	1430	2.33	●	4	1130	2.09	1800	1.91	
5	0210	3.06	1450	2.36		5	1150	2.04	1850	1.92	
6	0220	3.08	-	-		6	-	-	1930	1.89	
7	0350	2.94	1630	2.30		7	1250	1.94	2030	1.90	
8	0410	3.00	1630	2.34		8	1410	2.10	2130	1.91	
9	0510	2.81	1710	2.31		9	1240	1.94	2120	1.91	
10	0450	2.83	1710	2.36		10	1310	2.10	2250	2.00	
11	0530	2.66	1830	2.44		11	2230	2.17	1230	1.98	
12	0610	2.68	1830	2.61	☾	12	-	-	1350	2.05	
13	2020	2.67	0700	2.56		13	0030	2.22	1350	1.97	
14	2150	2.71	-	-		14	-	-	1430	2.04	
15	2230	2.70	-	-		15	-	-	1450	1.97	
16	2230	2.81	-	-		16	-	-	1500	2.00	
17	-	-	-	-		17	-	-	1630	1.89	
18	0030	2.79	1320	2.22		18	1030	1.96	1630	1.91	
19	0020	2.90	1350	2.31		19	1050	2.08	1810	1.97	
20	0130	2.94	1430	2.32	○	20	1130	2.09	1830	1.95	
21	0210	3.00	1450	2.31		21	1150	2.09	1910	1.95	
22	0230	2.98	1550	2.44		22	1130	2.16	2010	2.08	
23	0330	3.10	1620	2.51		23	1230	2.23	2100	2.07	
24	0330	2.99	1710	2.50		24	1230	2.16	2140	2.06	
25	0430	2.97	1740	2.64		25	1210	2.22	2250	2.19	
26	0450	2.88	1740	2.49		26	1250	2.07	2300	2.02	
27	1910	2.68	0630	2.68	☾	27	-	-	1230	2.06	
28	1830	2.69	0530	2.68		28	0030	2.28	1330	2.04	
29	2100	2.84	0520	2.63		29	0240	2.35	1330	1.94	
30	2140	2.96	-	-		30	-	-	1410	1.94	
31	2310	2.87	-	-		31	-	-	1540	1.91	
Monthly						Monthly					
Sum		83.52		53.72		Sum		40.29		61.34	
Mean						Mean					
mean MSL						mean MSL					
H'est HW	=	3.100				L'est LW	=	1.890			
MHHW	=	2.880				MLLW	=	1.979			
MLHW	=	2.442				MHLW	=	2.121			
MHW	=	2.691				MLW	=	2.033			
M.S.L.	=	2.386				M.T.L.	=	2.362			
MHWS	=	2.697				MLWS	=	2.009			
MHWN	=	2.494				MLWN	=	2.092			
Mn.sp.range	=	0.688				Sp.range					
Mn.np.range	=	0.402				Np.range					
Mn.range	=	0.658									