

# TIDES : DAILY HIGH AND LOW WATERS

Station.....PAKPANANG.....Month.....SEPTEMBER.....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 m	meter	
1	0110	2.87	1430	2.39	●	1	0910	2.10	1840	1.96	
2	0130	2.88	1440	2.58		2	0920	2.19	1940	2.13	
3	0210	2.84	1545	2.54		3	0930	2.09	2030	1.99	
4	0250	2.79	1520	2.68		4	2120	2.12	0950	2.09	
5	0350	2.74	1630	2.64		5	1030	2.06	2250	2.05	
6	1650	2.72	0420	2.61		6	2310	2.13	1010	2.00	
7	1710	2.71	0450	2.57		7	-	-	1030	2.04	
8	1750	2.61	0540	2.52		8	1050	2.52	0020	2.10	
9	1750	2.82	0620	2.40	☾	9	0110	2.04	1110	1.99	
10	1810	2.77	0500	2.40		10	0150	2.26	1130	2.08	
11	2010	2.66	-	-		11	-	-	1150	2.00	
12	2140	2.74	-	-		12	-	-	0730	2.05	
13	2130	2.73	-	-		13	-	-	0730	2.01	
14	2340	2.88	-	-		14	-	-	0900	2.06	
15	2320	2.84	1300	2.37		15	0920	2.10	1700	2.05	
16	1350	2.46	-	-		16	0910	2.14	1750	2.08	
17	0120	2.83	1410	2.56	○	17	0850	2.12	1930	2.04	
18	0200	2.82	1430	2.78		18	2040	2.22	0920	2.14	
19	0250	2.90	1510	2.83		19	2130	2.22	0930	2.20	
20	1540	2.89	0340	2.80		20	2230	2.17	0930	2.14	
21	1630	2.92	0410	2.69		21	-	-	1020	2.11	
22	1650	2.80	0450	2.53		22	0020	2.15	1030	1.96	
23	1820	2.84	0700	2.22	☾	23	0030	1.95	1030	1.90	
24	1830	3.18	0700	2.56		24	0210	2.29	1130	2.21	
25	2030	3.10	-	-		25	-	-	1230	2.21	
26	2150	2.89	-	-		26	-	-	1430	2.16	
27	2330	2.86	-	-		27	0620	2.28	1530	2.23	
28	2230	2.71	1200	2.38		28	0700	2.16	1640	2.12	
29	1350	2.46	-	-		29	1820	2.17	0810	2.06	
30	0050	2.80	1350	2.60		30	1930	2.16	0810	2.16	
31						31					
Monthly						Monthly					
Sum		84.06		53.65		Sum		47.64		62.32	
Mean						Mean					
mean MSL						mean MSL					
H'est HW	=	3.180				L'est LW	=	1.900			
MHHW	=	2.802				MLLW	=	2.077			
MLHW	=	2.555				MHLW	=	2.165			
MHW	=	2.700				MLW	=	2.115			
M.S.L.	=	2.402				M.T.L.	=	2.407			
MHWS	=	2.674				MLWS	=	2.113			
MHWN	=	2.672				MLWN	=	2.119			
Mn.sp.range	=	0.561				Sp.range					
Mn.np.range	=	0.554				Np.range					
Mn.range	=	0.586									