

# TIDES : DAILY HIGH AND LOW WATERS

Station.....PAKPANANG.....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	1450	3.42	-	-		1	-	-	0102	2.40			
2	1330	3.73	-	-		2	-	-	0600	2.93			
3	1310	3.81	-	-		3	-	-	0030	3.14			
4	1530	3.57	-	-		4	-	-	0050	3.20			
5	1630	3.56	-	-		5	-	-	0750	3.13			
6	1720	3.50	-	-		6	-	-	0930	3.18			
7	1730	3.47	-	-	☾	7	-	-	0300	3.23			
8	-	-	-	-		8	-	-	-	-			
9	-	-	-	-		9	-	-	-	-			
10	-	-	-	-		10	-	-	-	-			
11	0900	3.24	-	-		11	-	-	0350	3.01			
12	1030	3.27	-	-		12	-	-	0430	2.90			
13	1200	3.19	-	-		13	-	-	0530	2.76			
14	1250	3.38	-	-	○	14	-	-	0030	2.83			
15	1310	3.40	-	-		15	-	-	0650	2.68			
16	1410	3.46	-	-		16	-	-	0650	2.72			
17	1440	3.52	-	-		17	-	-	0830	2.74			
18	1520	3.50	-	-		18	-	-	0800	2.82			
19	1630	3.31	-	-		19	-	-	1010	2.78			
20	1710	3.36	-	-		20	-	-	0930	2.82			
21	1450	3.26	-	-	☾	21	-	-	1030	2.99			
22	1730	3.25	-	-		22	-	-	0230	2.91			
23	1930	3.16	-	-		23	-	-	0230	2.90			
24	0800	3.16	-	-		24	-	-	0250	2.91			
25	0900	3.10	-	-		25	-	-	0400	2.78			
26	1130	3.20	-	-		26	-	-	0430	2.72			
27	1250	3.24	-	-		27	-	-	0530	2.76			
28	1220	3.49	-	-		28	-	-	0430	2.84			
29	1250	3.45	-	-	●	29	-	-	0540	2.87			
30	1410	3.42	-	-		30	2150	2.91	0130	2.89			
31	1350	3.52	-	-		31	-	-	2250	2.91			
Monthly						Monthly							
Sum		94.94			0	Sum		2.91			80.75		
Mean						Mean							
mean MSL						mean MSL							
H'est HW	=	3.810				L'est LW	=	2.400					
MHHW	=	3.391				MLLW	=	2.884					
MLHW	=	-				MHLW	=	2.910					
MHW	=	3.391				MLW	=	2.885					
M.S.L.	=	3.089				M.T.L.	=	3.138					
MHWS	=	3.414				MLWS	=	2.541					
MHWN	=	3.333				MLWN	=	2.576					
Mn.sp.range	=	0.873				Sp.range							
Mn.np.range	=	0.758				Np.range							
Mn.range	=	0.506											