

TIDES : DAILY HIGH AND LOW WATERS

Station.....PAKPANANG.....Month.....JANUARY.....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	1530	3.38	0400	3.00		1	0800	2.74	0000	2.64			
2	1410	3.06	0330	2.93	☾	2	0800	2.67	0100	2.62			
3	1610	2.86	-	-		3	-	-	0110	2.40			
4	0650	2.96	-	-		4	-	-	0110	2.32			
5	0800	2.99	-	-		5	-	-	0120	2.32			
6	0930	3.08	-	-		6	-	-	0200	2.26			
7	1030	3.12	-	-		7	-	-	0330	2.25			
8	1140	3.18	-	-		8	-	-	0330	2.26			
9	1240	3.26	-	-		9	2230	2.36	0510	2.21			
10	1250	3.22	0130	2.60	●	10	2310	2.26	0600	2.22			
11	1330	3.21	-	-		11	-	-	2330	2.24			
12	1430	3.19	0250	2.44		12	2310	2.31	0720	2.06			
13	1450	3.29	0300	2.65		13	-	-	0750	2.24			
14	1510	3.34	0330	2.83		14	0000	2.46	0845	2.33			
15	1530	3.25	-	-		15	-	-	0920	2.40			
16	1640	3.08	0430	2.90		16	0000	2.46	0950	2.38			
17	1800	3.00	0550	2.86	☾	17	1030	2.43	0030	2.32			
18	0710	2.92	1630	2.86		18	1205	2.52	0110	2.28			
19	0830	3.02	-	-		19	-	-	0150	2.21			
20	0910	3.20	-	-		20	-	-	0210	2.31			
21	1030	3.15	-	-		21	-	-	0330	2.26			
22	1100	3.25	-	-		22	2130	2.37	0410	2.23			
23	1220	3.27	0040	2.58		23	2230	2.40	0530	2.18			
24	1300	3.40	0130	2.61	○	24	2110	2.58	0610	2.28			
25	1330	3.83	0050	2.94		25	-	-	0540	2.52			
26	1410	3.61	-	-		26	0600	2.85	2140	2.80			
27	1410	3.35	0150	3.04		27	2250	2.53	0720	2.52			
28	1430	3.30	0210	2.95		28	2250	2.56	0730	2.42			
29	1520	3.24	0310	3.01		29	-	-	0830	2.46			
30	1530	3.12	0400	2.91		30	0850	2.44	0000	2.44			
31	1530	3.04	0450	2.98		31	0920	2.56	0000	2.41			
Monthly						Monthly							
Sum		99.17		48.09		Sum		42.5		72.79			
Mean						Mean							
mean MSL						mean MSL							
H'est HW	=	3.830				L'est LW	=	2.060					
MHHW	=	3.199				MLLW	=	2.348					
MLHW	=	2.829				MHLW	=	2.500					
MHW	=	3.068				MLW	=	2.402					
M.S.L.	=	2.748				M.T.L.	=	2.735					
MHWS	=	3.089				MLWS	=	2.376					
MHWN	=	2.987				MLWN	=	2.461					
Mn.sp.range	=	0.713				Sp.range							
Mn.np.range	=	0.526				Np.range							
Mn.range	=	0.666											