

TIDES : DAILY HIGH AND LOW WATERS

Month.....JANUARY.....Station.....PAKPANANG.....Year...2015.....

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	0930	3.22	-	-		1	-	-	0400	2.80	
2	1030	3.38	-	-		2	-	-	0310	2.76	
3	1150	3.32	-	-		3	-	-	0430	2.74	
4	1230	3.26	-	-		4	-	-	0530	2.66	
5	1320	3.27	-	-	☉	5	-	-	0610	2.66	
6	1340	3.21	-	-		6	-	-	0730	2.60	
7	1430	3.24	-	-		7	-	-	0730	2.58	
8	1450	3.28	-	-		8	-	-	0810	2.66	
9	1430	3.30	-	-		9	-	-	0745	2.73	
10	1530	3.10	-	-		10	-	-	0830	2.64	
11	1630	3.03	-	-		11	-	-	0910	2.60	
12	1610	3.10	-	-		12	-	-	0820	2.72	
13	1620	3.14	-	-	☾	13	0910	2.74	2350	2.68	
14	1500	3.08	-	-		14	-	-	2330	2.77	
15	0725	3.07	-	-		15	-	-	-	-	
16	0825	3.02	-	-		16	-	-	0110	2.60	
17	1030	3.30	-	-		17	-	-	0130	2.42	
18	1030	3.31	-	-		18	-	-	0230	2.48	
19	1130	3.42	-	-		19	-	-	0410	2.46	
20	1230	3.34	-	-	●	20	-	-	0510	2.30	
21	1250	3.38	-	-		21	2330	2.40	0620	2.34	
22	1400	3.31	0220	2.64		22	2230	2.44	0730	2.20	
23	1430	3.40	0230	2.82		23	2240	2.54	0750	2.26	
24	1430	3.36	0300	2.93		24	2330	2.48	0850	2.34	
25	1600	3.06	0400	2.90		25	0950	2.28	2350	2.23	
26	1630	3.01	0450	2.89		26	1030	2.26	-	-	
27	1635	2.94	0525	2.90	☾	27	1100	2.34	0015	2.17	
28	0640	2.97	1745	2.80		28	1315	2.48	0028	2.19	
29	0740	3.10	-	-		29	-	-	0045	2.24	
30	0805	3.17	-	-		30	-	-	0115	2.32	
31	0950	3.12	-	-		31	-	-	0145	2.27	
Monthly						Monthly					
Sum		99.21		19.88		Sum		21.96		72.42	
Mean						Mean					
mean MSL						mean MSL					
H' est HW	=	3.420				L' est LW	=	2.170			
MHHW	=	3.200				MLLW	=	2.497			
MLHW	=	2.840				MHLW	=	2.440			
MHW	=	3.134				MLW	=	2.484			
M.S.L.	=	2.821				M.T.L.	=	2.809			
MHWS	=	3.230				MLWS	=	2.464			
MHWN	=	3.000				MLWN	=	2.459			
Mn.sp.range	=	0.766				Sp.range					
Mn.np.range	=	0.541				Np.range					
Mn.range	=	0.650									