

# TIDES : DAILY HIGH AND LOW WATERS

Station.....**RANONG**.....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	0230	3.42	1503	3.16		1	2030	1.46	0830	1.14			
2	0313	3.16	1608	3.02	☾	2	2124	1.68	0909	1.33			
3	1659	2.93	0427	2.89		3	2251	1.81	1018	1.53			
4	1829	2.96	0541	2.79		4	-	-	1114	1.64			
5	1123	3.20	0700	2.80		5	0042	1.73	1252	1.53			
6	2038	3.50	0801	3.05		6	0215	1.51	1420	1.38			
7	2131	3.70	0904	3.30		7	0256	1.24	1500	1.13			
8	-	-	-	-		8	-	-	-	-			
9	2246	4.12	1026	3.68		9	1628	0.69	0429	0.67			
10	2334	4.21	1109	3.81	●	10	1712	0.49	0501	0.45			
11	1150	3.93	-	-		11	1707	0.35	0545	0.27			
12	0011	4.31	1225	3.97		12	1833	0.37	0626	0.21			
13	0045	4.29	1304	3.98		13	1909	0.47	0701	0.23			
14	0126	4.21	1342	3.95		14	1947	0.63	0732	0.37			
15	0202	4.01	2025	0.88		15	2025	0.88	0804	0.56			
16	0238	3.77	1520	3.63		16	2113	1.19	0839	0.83			
17	0336	3.51	1616	3.41	☾	17	2217	1.47	0933	1.12			
18	1720	3.30	0447	3.24		18	2339	1.59	1034	1.39			
19	1900	3.36	0619	3.09		19	-	-	1154	1.52			
20	2032	3.56	0730	3.17		20	0139	1.45	1406	1.39			
21	2128	3.78	0835	3.35		21	0248	1.16	1504	1.13			
22	2222	3.94	0942	3.53		22	1554	0.85	0336	0.80			
23	0429	0.54	-	-		23	-	-	-	-			
24	2336	4.13	1115	3.80	○	24	-	-	1719	0.49			
25	1147	3.75	-	-		25	1745	0.46	0548	0.36			
26	0000	4.12	1222	3.89		26	1829	0.52	0623	0.33			
27	0041	4.08	1252	3.86		27	1902	0.65	0652	0.42			
28	0104	4.03	1320	3.79		28	1919	0.73	0713	0.52			
29	0138	3.83	-	-		29	-	-	0743	0.63			
30	1407	3.50	-	-		30	-	-	1958	1.17			
31	0240	3.42	1501	3.30		31	2034	1.43	0822	1.13			
Monthly						Monthly							
Sum		108.57		83.34		Sum		24.81		25.67			
Mean						Mean							
mean MSL						mean MSL							
H'est HW	=	4.310				L'est LW	=	0.210					
MHHW	=	3.619				MLLW	=	0.885					
MLHW	=	3.334				MHLW	=	1.034					
MHW	=	3.489				MLW	=	0.952					
M.S.L.	=	2.273				M.T.L.	=	2.221					
MHWS	=	3.712				MLWS	=	0.435					
MHWN	=	3.228				MLWN	=	1.407					
Mn.sp.range	=	3.277				Sp.range							
Mn.np.range	=	1.820				Np.range							
Mn.range	=	2.537											