

TIDES : DAILY HIGH AND LOW WATERS

Station.....RANONG.....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 m	meter	
1	1358	4.20	1150	3.92		1	1731	0.92	0530	0.73	
2	1208	3.86	-	-		2	1808	1.00	0600	0.81	
3	2424	4.20	1243	3.76		3	1845	1.07	0630	0.94	
4	0101	4.05	1310	3.75		4	1905	1.26	0702	1.04	
5	0139	3.90	1344	3.53		5	1941	1.48	0741	1.13	
6	1228	3.68	1449	3.29		6	2048	1.68	0810	1.30	
7	0300	3.48	1558	3.18	☾	7	2213	1.85	0919	1.49	
8	0416	3.35	1715	3.28		8	2335	1.80	1047	1.60	
9	1856	3.57	0558	3.33		9	-	-	1203	1.51	
10	1952	3.86	0711	3.53		10	2453	1.61	1328	1.37	
11	2057	4.21	0822	3.80		11	0206	1.32	1425	1.11	
12	2147	4.41	0915	4.00		12	0308	1.01	1518	0.89	
13	2235	4.57	1005	4.17		13	1611	0.72	0402	0.71	
14	2320	4.57	1053	4.21	○	14	1700	0.63	0451	0.54	
15	1136	4.18	-	-		15	1742	0.60	0540	0.44	
16	2401	4.51	1220	4.07		16	1827	0.69	0627	0.48	
17	2440	4.31	1305	3.94		17	1849	0.81	0657	0.53	
18	0114	4.13	1344	3.72		18	1939	1.13	0733	0.76	
19	0157	3.87	1420	3.47		19	2009	1.41	0810	1.01	
20	0235	3.57	1540	3.27		20	2106	1.67	0829	1.23	
21	0334	3.25	1615	3.16	☾	21	2149	1.82	0936	1.51	
22	1736	3.11	0425	3.07		22	2320	2.00	1045	1.73	
23	1901	3.23	0604	3.04		23	-	-	1157	1.79	
24	2001	3.45	0713	3.11		24	0126	1.95	1337	1.74	
25	2044	3.57	0834	3.28		25	0205	1.69	1417	1.50	
26	2125	3.77	0909	3.37		26	0256	1.36	1453	1.23	
27	2212	3.82	0943	3.46		27	1532	1.08	0330	1.08	
28	2236	3.95	1020	3.60		28	1613	0.90	0409	0.86	
29	2307	4.08	1056	3.67	●	29	1655	0.80	0442	0.72	
30	2345	4.13	1127	3.71		30	1734	0.71	0519	0.64	
31	1206	3.76	-	-		31	1809	0.68	0556	0.55	
Monthly						Monthly					
Sum		120.6		99.69		Sum		35.65		32.97	
Mean						Mean					
mean MSL						mean MSL					
H'est HW	=	4.570				L'est LW	=	0.440			
MHHW	=	3.890				MLLW	=	1.064			
MLHW	=	3.560				MHLW	=	1.229			
MHW	=	3.734				MLW	=	1.144			
M.S.L.	=	2.456				M.T.L.	=	2.439			
MHWS	=	4.084				MLWS	=	0.628			
MHWN	=	3.304				MLWN	=	1.532			
Mn.sp.range	=	3.457				Sp.range					
Mn.np.range	=	1.772				Np.range					
Mn.range	=	2.590									