

TIDES : DAILY HIGH AND LOW WATERS

Month.....JANUARY.....Station.....RANONG.....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	2030	3.71	0749	3.29		1	0150	1.66	1356	1.57	
2	2131	3.89	0900	3.50		2	1459	1.41	0302	1.37	
3	2221	4.09	0942	3.64		3	1547	1.26	0339	1.21	
4	2248	4.24	1024	3.81		4	1623	1.16	0429	1.01	
5	2324	4.33	1105	3.97	☉	5	1707	1.07	0505	0.88	
6	2355	4.36	1134	4.02		6	1741	0.94	0536	0.82	
7	1215	4.03	-	-		7	1820	0.97	0604	0.77	
8	0030	4.32	1239	4.01		8	1840	1.01	0640	0.81	
9	0050	4.23	1308	3.95		9	1918	1.15	0700	0.91	
10	0121	4.06	1340	3.83		10	1926	1.26	0719	1.01	
11	0149	3.89	1416	3.68		11	1949	1.43	0741	1.12	
12	0230	3.65	1442	3.46		12	2032	1.59	0810	1.32	
13	0302	3.38	1553	3.27	☾	13	2120	1.76	0902	1.48	
14	1648	3.12	0350	3.11		14	2230	1.87	1020	1.68	
15	1826	3.11	0519	2.85		15	-	-	1128	1.68	
16	1940	3.31	0650	2.85		16	0056	1.77	1320	1.59	
17	2049	3.60	0811	3.19		17	0200	1.43	1421	1.26	
18	2136	3.89	0911	3.35		18	0301	1.11	1508	0.99	
19	2226	4.13	1000	3.66		19	0357	0.73	1606	0.69	
20	2308	4.33	1049	3.86	●	20	1650	0.42	0442	0.42	
21	2356	4.40	1134	4.04		21	1746	0.21	0529	0.15	
22	1215	4.15	-	-		22	1831	0.19	0614	0.03	
23	0032	4.40	1303	4.13		23	1904	0.32	0700	0.05	
24	0113	4.35	1337	4.07		24	1950	0.55	0736	0.23	
25	0140	4.08	1416	3.88		25	2023	0.87	0808	0.50	
26	0235	3.80	1503	3.68		26	2102	1.25	0830	0.86	
27	0320	3.46	1603	3.44	☾	27	2202	1.57	0906	1.20	
28	1703	3.24	0409	3.13		28	2317	1.82	1005	1.56	
29	1830	3.15	0547	2.93		29	-	-	1116	1.82	
30	2020	3.31	0721	2.91		30	0138	1.80	1334	1.73	
31	2117	3.51	0843	3.10		31	0239	1.47	1440	1.39	
Monthly						Monthly					
Sum		119.52		102.61		Sum		34.05		32.11	
Mean						Mean					
mean MSL						mean MSL					
H' est HW	=	4.400				L' est LW	=	0.030			
MHHW	=	3.855				MLLW	=	1.036			
MLHW	=	3.538				MHLW	=	1.174			
MHW	=	3.702				MLW	=	1.103			
M.S.L.	=	2.411				M.T.L.	=	2.402			
MHWS	=	4.095				MLWS	=	0.654			
MHWN	=	3.299				MLWN	=	1.533			
Mn.sp.range	=	3.441				Sp.range					
Mn.np.range	=	1.766				Np.range					
Mn.range	=	2.600									