

**ภาคผนวก**

# TIDES : DAILY HIGH AND LOW WATERS

Station.....SAMUTSONGKRAM.....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	1100	4.07	2000	3.36		1	1650	3.10	0240	2.25			
2	1000	4.00	-	-	☾	2	-	-	0300	2.36			
3	2020	3.74	-	-		3	1750	2.48	0300	2.41			
4	1120	4.00	-	-		4	-	-	1920	2.47			
5	1130	3.72	-	-		5	-	-	2030	2.11			
6	1200	3.58	-	-		6	-	-	2130	1.89			
7	0530	3.87	-	-		7	-	-	2230	1.68			
8	0600	4.08	-	-		8	-	-	2300	1.60			
9	0700	4.10	-	-		9	-	-	-	-			
10	0700	4.09	1610	3.62	●	10	1300	3.34	0000	1.66			
11	0800	4.10	1700	3.57		11	1300	3.12	0100	1.41			
12	0830	4.10	1740	3.63		12	1400	3.16	0200	1.31			
13	0730	4.10	1830	3.77		13	1400	3.24	0200	1.38			
14	0930	4.10	1900	3.80		14	1500	3.04	0230	1.63			
15	0930	4.09	2000	3.82		15	1640	2.93	0300	1.74			
16	0900	4.09	2100	3.44		16	1630	2.60	0330	1.86			
17	0900	4.09	2230	3.34	☾	17	1700	2.41	0330	2.11			
18	1000	4.12	-	-		18	0400	2.50	1800	2.19			
19	1100	4.08	-	-		19	-	-	1930	2.22			
20	1130	3.92	-	-		20	-	-	2100	2.04			
21	0500	3.99	-	-		21	-	-	2230	1.76			
22	0600	4.12	-	-		22	-	-	-	-			
23	-	-	-	-		23	-	-	-	-			
24	-	-	-	-	○	24	-	-	-	-			
25	-	-	-	-		25	-	-	-	-			
26	-	-	-	-		26	-	-	-	-			
27	0830	3.95	1740	3.69		27	-	-	1400	3.12			
28	0800	4.15	1900	3.80		28	1400	3.06	0200	1.72			
29	0900	4.23	1930	3.61		29	1500	2.83	0200	1.96			
30	0900	4.20	2045	3.62		30	1540	2.60	0230	2.03			
31	0900	4.19	2100	3.56		31	0300	3.32	1600	2.60			
Monthly						Monthly							
Sum		108.87		50.63		Sum		43.73		49.51			
Mean						Mean							
mean MSL						mean MSL							
H'est HW	=	4.230				L'est LW	=	1.310					
MHHW	=	4.032				MLLW	=	1.980					
MLHW	=	3.616				MHLW	=	2.915					
MHW	=	3.890				MLW	=	2.331					
M.S.L.	=	3.148				M.T.L.	=	3.111					
MHWS	=	3.887				MLWS	=	2.333					
MHWN	=	3.848				MLWN	=	2.382					
Mn.sp.range	=	1.554				Sp.range							
Mn.np.range	=	1.467				Np.range							
Mn.range	=	1.559											

# TIDES : DAILY HIGH AND LOW WATERS

Station.....SAMUTSONGKRAM.....Month.....FEBRUARY.....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	0900	4.08	2230	3.28	☾	1	0300	2.57	1700	2.40			
2	0950	3.94	-	-		2	0300	2.77	1730	2.36			
3	1000	4.04	-	-		3	-	-	1830	2.52			
4	0940	3.92	-	-		4	-	-	2000	2.39			
5	0700	3.94	-	-		5	-	-	2130	2.15			
6	0600	4.20	-	-		6	-	-	2130	2.26			
7	0600	4.22	-	-		7	-	-	-	-			
8	0700	4.23	1520	3.92	●	8	1135	3.72	0000	2.16			
9	0700	4.20	1635	3.74		9	1300	3.35	0000	1.76			
10	0700	4.21	1800	3.97		10	1300	3.14	0100	1.61			
11	0800	4.20	1830	4.02		11	1330	2.85	0200	1.71			
12	0800	4.19	1930	3.92		12	1430	2.68	0230	1.72			
13	0900	4.19	2030	3.84		13	1530	2.26	0300	1.88			
14	0900	4.19	2100	3.72		14	1600	2.08	0300	2.04			
15	0900	4.16	2255	3.56	☾	15	0330	2.33	1700	1.92			
16	1000	4.12	-	-		16	0400	2.84	1700	2.16			
17	1000	4.12	0000	3.76		17	0350	3.52	1830	2.31			
18	0900	3.84	-	-		18	-	-	1930	2.14			
19	0500	4.05	-	-		19	-	-	2100	2.13			
20	0600	4.13	-	-		20	-	-	2200	2.00			
21	0500	4.16	1600	3.88		21	-	-	1130	3.44			
22	0500	4.16	1630	3.71		22	1230	3.28	0000	2.10			
23	0630	4.07	1700	3.72	○	23	1200	2.86	0030	1.71			
24	0700	4.18	1800	3.97		24	1230	2.84	0100	1.73			
25	0900	4.19	1840	4.08		25	1320	2.96	0100	2.02			
26	0800	4.20	1910	3.94		26	1400	2.64	0120	2.31			
27	0740	4.04	1930	3.84		27	1400	2.46	0100	2.21			
28	0730	4.08	2000	3.92		28	0200	2.56	1430	2.52			
29	0800	4.08	2030	3.81		29	0200	2.76	1440	2.50			
30													
31													
Monthly						Monthly							
Sum		115.25		68.79		Sum		53.71		57.66			
Mean						Mean							
mean MSL						mean MSL							
H'est HW	=	4.230				L'est LW	=	1.610					
MHHW	=	4.116				MLLW	=	2.136					
MLHW	=	3.822				MHLW	=	2.827					
MHW	=	4.001				MLW	=	2.421					
M.S.L.	=	3.252				M.T.L.	=	3.211					
MHWS	=	3.786				MLWS	=	2.517					
MHWN	=	3.902				MLWN	=	2.516					
Mn.sp.range	=	1.268				Sp.range							
Mn.np.range	=	1.386				Np.range							
Mn.range	=	1.580											

# TIDES : DAILY HIGH AND LOW WATERS

Station.....SAMUTSONGRAM.....Month.....MARCH.....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	0800	4.05	2115	3.72		1	0200	3.04	1510	2.51			
2	0800	3.92	-	-	☾	2	0230	3.25	1600	2.37			
3	0800	3.79	-	-		3	-	-	1700	2.40			
4	0800	3.72	-	-		4	-	-	1830	2.29			
5	0430	3.94	-	-		5	-	-	2100	2.31			
6	0500	4.01	-	-		6	-	-	2200	2.00			
7	0500	4.09	1530	3.49		7	1130	3.18	2300	1.86			
8	0500	4.16	1630	3.64		8	-	-	1215	2.89			
9	1700	3.80	0400	3.56	●	9	1200	2.65	0000	1.73			
10	0620	4.16	1800	4.02		10	1250	2.48	0200	2.04			
11	0640	4.12	1900	4.08		11	1400	2.12	0130	1.81			
12	2000	4.16	0800	4.16		12	1400	2.40	0200	2.05			
13	0640	4.16	2100	4.02		13	0200	2.48	1500	1.93			
14	2200	4.05	0800	3.99		14	0205	2.42	1600	1.74			
15	0830	4.08	2300	4.04		15	0300	2.92	1600	2.04			
16	0830	4.00	-	-	☾	16	0345	3.37	1700	2.04			
17	0000	3.74	0900	3.64		17	0430	3.37	1800	1.87			
18	0250	3.71	-	-		18	-	-	1900	2.16			
19	0400	4.02	-	-		19	-	-	2100	2.02			
20	0430	3.96	1500	3.28		20	1100	2.96	2200	2.13			
21	0500	4.04	1600	3.42		21	1110	2.73	2300	2.01			
22	0530	3.99	1710	3.66		22	-	-	1250	2.42			
23	0550	3.97	1800	3.72	○	23	1230	2.18	0000	1.99			
24	0600	4.00	1830	3.84		24	1300	1.97	0030	1.92			
25	1900	4.08	0700	3.91		25	1310	2.05	0100	2.04			
26	1900	4.12	0700	4.04		26	0140	2.24	1330	2.09			
27	0700	4.11	2000	4.09		27	1400	2.20	0130	1.77			
28	2100	4.11	0720	3.96		28	0200	2.76	1350	2.18			
29	0700	4.08	2030	4.02		29	0200	3.28	1400	2.38			
30	2200	3.84	0725	3.79		30	0340	3.12	1500	1.89			
31	2300	3.79	0800	3.71	☾	31	0330	3.21	1630	1.90			
Monthly						Monthly							
Sum		123.77		87.8		Sum		62.38		64.78			
Mean						Mean							
mean MSL						mean MSL							
H'est HW	=	4.160				L'est LW	=	1.730					
MHHW	=	3.993				MLLW	=	2.090					
MLHW	=	3.817				MHLW	=	2.712					
MHW	=	3.918				MLW	=	2.355					
M.S.L.	=	3.160				M.T.L.	=	3.136					
MHWS	=	3.919				MLWS	=	2.164					
MHWN	=	3.028				MLWN	=	2.083					
Mn.sp.range	=	1.756				Sp.range							
Mn.np.range	=	0.945				Np.range							
Mn.range	=	1.563											

# TIDES : DAILY HIGH AND LOW WATERS

Station.....SAMUTSONGKRAM.....Month.....APRIL.....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	
1	0810	3.58	-	-		1	0430	3.36	1630	2.12	
2	0030	3.79	-	-		2	-	-	1800	2.24	
3	0240	3.91	-	-		3	-	-	1930	2.17	
4	0330	3.92	-	-		4	-	-	2100	2.10	
5	0400	3.93	1600	3.30		5	1030	2.64	2200	2.08	
6	0430	4.00	1630	3.66		6	1130	2.29	2300	2.09	
7	0500	4.07	1700	3.92	●	7	-	-	1200	2.05	
8	1800	4.08	0530	4.02		8	0000	2.00	1300	1.82	
9	1900	4.08	0600	4.02		9	0100	2.16	1330	1.68	
10	2000	4.09	0600	3.96		10	0130	2.39	1430	1.45	
11	2100	4.08	0700	3.85		11	0200	2.56	1500	1.37	
12	2200	4.08	0730	3.73		12	0300	2.73	1530	1.39	
13	2300	3.96	0800	3.53		13	0440	2.81	1600	1.41	
14	2330	3.84	0840	3.45	☾	14	0400	2.96	1630	1.52	
15	-	-	-	-		15	-	-	1700	1.82	
16	0120	3.83	-	-		16	-	-	1700	2.16	
17	0150	3.73	-	-		17	-	-	2000	2.40	
18	0300	3.90	1540	3.12		18	1030	2.40	2110	2.29	
19	0340	3.72	1630	3.46		19	2200	2.40	1100	2.20	
20	0400	4.01	1710	3.84		20	2300	2.52	1100	2.16	
21	0350	3.82	1730	3.72		21	-	-	1130	1.95	
22	1800	4.04	0500	3.68	○	22	0000	2.34	1220	1.69	
23	1900	4.09	0530	3.68		23	0100	2.44	1300	1.60	
24	1900	4.10	0600	3.73		24	0100	2.51	1330	1.53	
25	2000	4.12	0700	3.62		25	0200	2.72	1400	1.61	
26	2100	4.13	0700	3.56		26	0200	2.68	1400	1.52	
27	2100	4.12	0700	3.45		27	0300	2.81	1430	1.49	
28	2200	4.07	0800	3.40		28	0330	2.85	1500	1.66	
29	2255	4.04	0800	3.42		29	0400	3.04	1600	1.68	
30	0820	3.31	-	-	☾	30	0500	3.10	1600	1.88	
31						31					
Monthly						Monthly					
Sum		114.44		80.12		Sum		57.71		55.13	
Mean						Mean					
mean MSL						mean MSL					
H'est HW	=	4.130				L'est LW	=	1.370			
MHHW	=	3.946				MLLW	=	1.838			
MLHW	=	3.642				MHLW	=	2.623			
MHW	=	3.815				MLW	=	2.170			
M.S.L.	=	2.997				M.T.L.	=	2.992			
MHWS	=	3.919				MLWS	=	2.011			
MHWN	=	2.448				MLWN	=	1.599			
Mn.sp.range	=	1.909				Sp.range					
Mn.np.range	=	0.850				Np.range					
Mn.range	=	1.645									

# TIDES : DAILY HIGH AND LOW WATERS

Station.....SAMUTSONGKRAM.....Month.....MAY.....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	0000	3.86	1010	3.16		1	0730	2.98	1630	1.92			
2	0100	3.98	1100	2.91		2	0830	2.76	1830	2.28			
3	0220	3.90	1400	3.08		3	0910	2.56	1950	2.36			
4	0245	3.98	1535	3.60		4	2200	2.45	0930	2.28			
5	0330	3.96	1630	3.76		5	2230	2.52	1100	1.89			
6	1830	4.08	0400	4.01		6	-	-	1200	1.62			
7	1800	4.21	0435	3.88	●	7	0000	2.60	1240	1.48			
8	2000	4.20	0500	3.93		8	0050	2.84	1330	1.44			
9	2000	4.15	0600	3.76		9	0120	2.76	1430	1.28			
10	2100	4.12	0700	3.76		10	0200	2.96	1500	1.36			
11	2300	4.09	0700	3.68		11	0300	3.07	1530	1.41			
12	2300	4.09	0800	3.48		12	0400	3.07	1600	1.49			
13	2300	4.09	0820	3.43		13	0400	3.13	1600	1.57			
14	0000	4.08	0945	3.12	☾	14	0600	2.87	1630	1.77			
15	0000	3.96	1030	2.94		15	0800	2.82	1800	2.08			
16	0100	3.92	1300	2.92		16	1800	2.59	0800	2.46			
17	0220	3.94	1535	3.23		17	2030	2.81	0930	2.22			
18	0210	3.84	1600	3.49		18	2100	2.84	1020	2.03			
19	0200	3.81	1730	3.79		19	2300	2.77	1030	1.81			
20	1750	3.92	0340	3.60		20	-	-	1100	1.57			
21	1830	3.89	0500	3.32		21	0000	2.48	1200	1.36			
22	1940	3.92	0500	3.21	○	22	0030	2.56	1300	1.20			
23	1000	4.05	0500	3.24		23	0100	2.61	1300	1.22			
24	2000	4.01	0530	3.54		24	0100	2.88	1400	1.31			
25	2025	3.82	0600	3.08		25	0240	2.59	1500	1.18			
26	2100	4.04	0700	3.49		26	0150	2.84	1430	1.36			
27	2200	3.93	0740	3.31		27	0340	3.01	1530	1.33			
28	2250	3.92	0835	3.20		28	0400	2.88	1530	1.38			
29	2330	4.08	0845	3.24	☾	29	0500	2.92	1630	1.59			
30	2330	4.02	0900	3.05		30	0500	2.84	1630	1.94			
31	0000	4.00	1220	2.80		31	0730	2.48	1800	2.17			
Monthly						Monthly							
Sum		123.86		105.01		Sum		80.49		52.36			
Mean						Mean							
mean MSL						mean MSL							
H'est HW	=	4.210				L'est LW	=	1.180					
MHHW	=	3.995				MLLW	=	1.689					
MLHW	=	3.387				MHLW	=	2.776					
MHW	=	3.691				MLW	=	2.214					
M.S.L.	=	2.940				M.T.L.	=	2.953					
MHWS	=	3.838				MLWS	=	1.976					
MHWN	=	3.548				MLWN	=	2.343					
Mn.sp.range	=	1.862				Sp.range							
Mn.np.range	=	1.205				Np.range							
Mn.range	=	1.477											

# TIDES : DAILY HIGH AND LOW WATERS

Station.....SAMUTSONGRAM.....Month.....JUNE.....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	
1	0055	3.90	1400	3.07		1	1900	2.61	0820	2.21	
2	0100	3.91	1530	3.48		2	2130	2.84	0940	1.85	
3	1635	3.78	0200	3.67		3	2240	2.64	1010	1.56	
4	1800	4.05	0320	3.58		4	2340	2.84	1130	1.31	
5	1835	4.09	0400	3.63	●	5	-	-	1230	1.20	
6	1900	4.20	0500	3.50		6	0000	2.71	1330	1.08	
7	2030	4.34	0530	3.54		7	0130	2.89	1410	1.10	
8	2100	4.17	0635	3.36		8	0250	2.83	1500	1.04	
9	2200	3.99	0700	3.30		9	0300	2.77	1530	1.04	
10	2230	4.00	0740	3.16		10	0400	2.71	1600	1.16	
11	2300	3.96	0830	3.20		11	0430	2.71	1600	1.49	
12	2300	3.80	0900	3.01	☾	12	0550	2.68	1600	1.58	
13	2310	3.72	1100	2.68		13	0700	2.39	1650	2.21	
14	1400	2.68	-	-		14	1700	2.52	0230	2.25	
15	0030	3.63	-	-		15	-	-	0830	2.05	
16	0000	3.48	1600	3.44		16	2115	3.00	0930	1.87	
17	1640	3.72	0115	3.50		17	2310	2.97	0930	1.74	
18	1730	3.67	0100	3.32		18	-	-	1100	1.44	
19	1830	3.85	0330	3.18		19	0000	2.84	1140	1.21	
20	1900	4.16	0350	3.38	○	20	0000	3.00	1230	1.33	
21	1900	4.02	0410	3.35		21	0030	3.06	1300	1.21	
22	2000	4.17	0510	3.18		22	0150	2.72	1400	1.08	
23	2050	4.30	0600	3.40		23	0200	3.00	1400	1.32	
24	2140	4.20	0640	3.52		24	0235	2.89	1510	1.35	
25	2115	4.19	0730	3.32		25	0340	2.80	1520	1.34	
26	2210	3.96	0810	3.32		26	0400	2.80	1530	1.39	
27	0900	2.96	-	-		27	0500	2.45	1600	1.52	
28	2330	3.92	1030	2.98	☾	28	-	-	1550	2.04	
29	2359	3.90	1210	3.07		29	1750	2.40	0700	2.13	
30	2330	3.66	1520	3.21		30	1730	2.94	0750	2.00	
31						31					
Monthly						Monthly					
Sum		116.38		89.35		Sum		72.01		46.1	
Mean						Mean					
mean MSL						mean MSL					
H'est HW	=	4.340				L'est LW	=	1.040			
MHHW	=	3.879				MLLW	=	1.537			
MLHW	=	3.309				MHLW	=	2.770			
MHW	=	3.609				MLW	=	2.109			
M.S.L.	=	2.835				M.T.L.	=	2.859			
MHWS	=	3.764				MLWS	=	1.972			
MHWN	=	3.339				MLWN	=	2.221			
Mn.sp.range	=	1.792				Sp.range					
Mn.np.range	=	1.119				Np.range					
Mn.range	=	1.500									

# TIDES : DAILY HIGH AND LOW WATERS

Station.....SAMUTSONGKRAM.....Month.....JULY.....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	
1	1650	3.66	-	-		1	2030	3.12	0800	1.68	
2	1640	3.99	0045	3.69		2	2200	3.12	1000	1.56	
3	1750	4.03	0220	3.55		3	2330	3.11	1100	1.28	
4	1830	4.26	0330	3.44	●	4	-	-	1200	1.19	
5	1930	4.22	0400	3.45		5	0030	3.05	1300	1.19	
6	2030	4.15	0500	3.48		6	0130	3.00	1400	1.20	
7	2040	4.10	0540	3.35		7	0200	2.87	1430	1.17	
8	2050	3.97	0700	3.53		8	0230	2.86	0520	1.28	
9	2150	4.08	0800	3.18		9	0200	2.53	1530	1.28	
10	2200	3.88	0830	3.19		10	0400	2.63	1550	1.57	
11	2200	3.94	0900	2.96		11	0500	2.28	1600	1.84	
12	2240	3.76	1030	2.91	☾	12	1530	2.33	0530	2.24	
13	2320	3.63	1300	3.00		13	1730	2.59	0530	2.02	
14	2330	3.57	1515	3.15		14	1830	3.08	0700	2.02	
15	-	-	-	-		15	-	-	0800	1.80	
16	1600	3.60	0000	3.44		16	2230	3.08	0930	1.58	
17	1700	3.72	0015	3.36		17	-	-	1000	1.44	
18	1820	3.95	-	-		18	-	-	1100	1.20	
19	1800	4.11	0400	3.27		19	0000	3.04	1200	1.23	
20	1930	4.16	0410	3.28	○	20	0100	2.93	1230	1.21	
21	2000	4.13	0510	3.45		21	0200	2.92	1530	1.28	
22	2030	4.39	0600	3.54		22	0200	2.90	1420	1.27	
23	2035	4.23	0635	3.56		23	0320	2.95	1430	1.44	
24	2000	4.22	0740	3.50		24	0300	2.68	1320	1.35	
25	2100	4.16	0800	3.46		25	0340	2.45	1500	1.60	
26	2220	3.96	0930	3.30		26	0430	2.17	1600	1.66	
27	2220	3.97	1000	3.26	☾	27	1600	2.16	0530	1.96	
28	2220	3.96	1240	3.18		28	1640	2.84	0600	1.99	
29	2300	3.60	1300	3.25		29	1800	3.00	0700	1.81	
30	1600	3.53	2330	3.49		30	2000	3.21	0730	1.58	
31	1700	3.79	-	-		31	-	-	1000	1.35	
Monthly						Monthly					
Sum		118.72		90.22		Sum		72.9		47.27	
Mean						Mean					
mean MSL						mean MSL					
H'est HW	=	4.390				L'est LW	=	1.170			
MHHW	=	3.957				MLLW	=	1.525			
MLHW	=	3.341				MHLW	=	2.804			
MHW	=	3.666				MLW	=	2.108			
M.S.L.	=	2.859				M.T.L.	=	2.887			
MHWS	=	3.807				MLWS	=	2.053			
MHWN	=	3.259				MLWN	=	2.249			
Mn.sp.range	=	1.754				Sp.range					
Mn.np.range	=	1.009				Np.range					
Mn.range	=	1.557									



# TIDES : DAILY HIGH AND LOW WATERS

Station.....SAMUTSONGKRAM.....Month.....AUGUST.....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	1800	4.00	0100	3.17		1	-	-	1100	1.13			
2	1830	3.86	-	-		2	-	-	1200	1.15			
3	1900	4.12	0450	3.10	●	3	0100	2.72	1300	1.08			
4	1930	3.98	0600	3.34		4	0100	2.86	1330	1.32			
5	2015	4.19	0600	3.32		5	0140	2.64	1400	1.29			
6	0700	3.50	2010	3.15		6	0230	2.44	1430	1.45			
7	2000	3.99	0500	3.41		7	0300	2.20	1440	1.53			
8	2110	3.95	0825	3.31		8	0330	2.08	1500	1.89			
9	2030	3.93	0930	3.36		9	1530	2.04	0400	1.94			
10	2110	3.64	0930	3.08		10	1530	2.22	0500	2.00			
11	2215	3.44	1115	2.94	☾	11	1700	2.62	0530	1.72			
12	2145	3.33	1300	3.05		12	1745	2.94	0600	1.85			
13	2030	3.28	1400	3.02		13	1700	3.20	0600	1.96			
14	1710	3.39	-	-		14	-	-	0800	1.72			
15	1730	3.84	-	-		15	-	-	0930	1.64			
16	1515	3.97	-	-		16	-	-	1000	1.64			
17	1830	3.96	0350	3.12		17	0100	2.88	1130	1.43			
18	1830	3.90	0430	3.18	○	18	0030	2.83	1200	1.36			
19	1920	4.07	0520	3.28		19	0100	2.61	1300	1.33			
20	2000	4.16	0300	3.45		20	0135	2.51	1330	1.44			
21	2000	4.11	0700	3.52		21	0200	2.36	1415	1.39			
22	1730	3.93	0600	3.24		22	0300	2.07	0200	1.47			
23	1810	4.11	0600	3.32		23	1200	1.82	0100	1.73			
24	2100	4.08	0930	3.75		24	-	-	1545	2.29			
25	2100	3.84	1020	3.52	☾	25	1500	2.57	0500	1.64			
26	2200	3.81	1200	3.44		26	1630	3.04	0530	1.64			
27	1430	3.63	-	-		27	-	-	0800	1.64			
28	1610	3.72	-	-		28	-	-	0700	1.56			
29	1000	3.96	-	-		29	-	-	0900	1.58			
30	1800	4.21	-	-		30	-	-	1000	1.64			
31	1600	3.97	0330	3.36		31	-	-	1100	1.53			
Monthly						Monthly							
Sum		119.87		75.43		Sum		50.65		48.98			
Mean						Mean							
mean MSL						mean MSL							
H'est HW	=	4.210				L'est LW	=	1.080					
MHHW	=	3.867				MLLW	=	1.580					
MLHW	=	3.280				MHLW	=	2.533					
MHW	=	3.617				MLW	=	1.954					
M.S.L.	=	2.823				M.T.L.	=	2.785					
MHWS	=	3.669				MLWS	=	1.963					
MHWN	=	3.457				MLWN	=	2.083					
Mn.sp.range	=	1.705				Sp.range							
Mn.np.range	=	1.374				Np.range							
Mn.range	=	1.663											

# TIDES : DAILY HIGH AND LOW WATERS

Station.....SAMUTSONGKRAM.....Month.....SEPTEMBER.....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	1830	3.95	0400	3.32	●	1	-	-	1200	1.37			
2	1900	4.10	0530	3.55		2	0030	2.47	1300	1.56			
3	1900	4.01	0610	3.55		3	0130	2.24	1320	1.50			
4	1930	3.92	0700	3.60		4	0200	2.01	1400	1.72			
5	1950	3.86	0740	3.54		5	0200	1.95	1410	1.80			
6	2015	3.90	0820	3.63		6	1450	2.11	0300	1.76			
7	2005	3.77	0840	3.68		7	1500	2.37	0330	1.81			
8	2050	3.57	1000	3.56		8	1500	2.57	0400	1.72			
9	2100	3.59	1100	3.48	☾	9	1610	2.85	0400	1.71			
10	1130	3.48	2120	3.43		10	1615	3.06	0430	1.80			
11	1715	3.38	-	-		11	-	-	0530	1.68			
12	1800	3.61	-	-		12	-	-	0600	1.94			
13	1650	3.96	-	-		13	-	-	0900	1.89			
14	1715	3.99	-	-		14	2330	2.77	0930	1.81			
15	1800	3.74	0330	3.19		15	-	-	1100	1.56			
16	1810	4.10	0430	3.44		16	0000	2.63	1130	1.65			
17	1800	4.01	0500	3.48	○	17	0100	2.33	1230	1.59			
18	1900	4.24	0600	3.75		18	0100	2.12	1300	1.69			
19	1900	4.10	0700	3.87		19	0130	2.00	1330	1.86			
20	1925	4.12	0740	4.03		20	1430	2.00	0230	1.71			
21	0840	3.95	2000	3.94		21	1500	2.39	0300	1.57			
22	0940	3.82	2000	3.60		22	1530	2.48	0400	1.60			
23	1100	3.65	2000	3.64	☾	23	1600	2.96	0500	1.27			
24	1120	4.05	2100	3.82		24	1630	3.48	0430	1.75			
25	1330	3.85	-	-		25	-	-	0530	1.86			
26	1510	3.88	-	-		26	-	-	0600	2.01			
27	1540	3.94	-	-		27	-	-	0830	1.93			
28	1640	3.96	-	-		28	2320	2.44	1000	1.87			
29	1700	4.02	0450	3.16		29	-	-	1100	1.77			
30	1730	3.93	0500	3.52		30	0000	2.26	1130	1.87			
31						31							
Monthly						Monthly							
Sum		116.45		78.78		Sum		51.49		51.63			
Mean						Mean							
mean MSL						mean MSL							
H'est HW	=	4.240				L'est LW	=	1.270					
MHWW	=	3.882				MLLW	=	1.721					
MLHW	=	3.581				MHLW	=	2.452					
MHW	=	3.754				MLW	=	2.022					
M.S.L.	=	2.895				M.T.L.	=	2.888					
MHWS	=	3.735				MLWS	=	1.896					
MHWN	=	3.637				MLWN	=	2.199					
Mn.sp.range	=	1.839				Sp.range							
Mn.np.range	=	1.438				Np.range							
Mn.range	=	1.732											

# TIDES : DAILY HIGH AND LOW WATERS

Station.....SAMUTSONGKRAM.....Month.....OCTOBER.....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	1730	3.85	0600	3.58	●	1	1200	1.96	0030	1.93			
2	1800	3.84	0700	3.73		2	1300	1.99	0100	1.85			
3	1825	3.88	0700	3.80		3	1300	2.24	0130	1.72			
4	1830	3.85	0730	3.85		4	1400	2.24	0220	1.74			
5	0810	4.05	1900	3.84		5	0220	1.68	1420	1.43			
6	0900	3.92	1930	3.56		6	1450	2.49	0300	1.62			
7	0900	3.76	2000	3.52		7	1500	2.64	0300	1.52			
8	1000	3.67	2000	3.30		8	1510	1.84	0330	1.53			
9	1200	3.51	-	-	☾	9	-	-	0400	1.33			
10	2230	3.60	-	-		10	-	-	0450	1.56			
11	1400	3.69	-	-		11	-	-	0530	1.92			
12	1500	3.84	-	-		12	-	-	0600	1.91			
13	1520	3.96	-	-		13	2230	2.57	0900	1.90			
14	1800	3.80	0330	3.28		14	2300	2.25	1000	1.93			
15	1645	4.06	0400	3.72		15	-	-	1100	1.97			
16	1700	4.02	0530	3.88	○	16	1130	2.13	0000	1.96			
17	1740	3.98	0700	3.98		17	1230	2.12	0030	1.76			
18	0630	4.20	1800	3.98		18	1320	2.36	0130	1.57			
19	0800	4.28	1830	4.18		19	1330	2.66	0200	1.45			
20	0900	4.20	1530	3.86		20	1430	2.88	0300	1.53			
21	1000	4.28	2000	3.65		21	1545	3.02	0330	1.44			
22	1100	3.94	1930	3.34		22	1600	3.09	0400	1.39			
23	1200	3.65	-	-	☾	23	-	-	0500	1.24			
24	1300	3.85	-	-		24	-	-	0500	1.49			
25	1400	3.75	-	-		25	-	-	0600	1.91			
26	1510	4.20	-	-		26	2200	2.52	0720	2.32			
27	1520	4.04	0300	3.20		27	0900	2.45	2240	2.22			
28	1540	3.91	0335	3.50		28	1000	2.37	2300	2.20			
29	1600	4.08	0530	3.82		29	-	-	1100	2.57			
30	0530	4.00	1650	3.96		30	1135	2.81	0000	2.10			
31	0600	4.16	1720	3.80	●	31	1230	2.53	0000	1.96			
Monthly						Monthly							
Sum		121.82		81.33		Sum		52.84		54.97			
Mean						Mean							
mean MSL						mean MSL							
H'est HW	=	4.280				L'est LW	=	1.240					
MHHW	=	3.930				MLLW	=	1.773					
MLHW	=	3.697				MHLW	=	2.402					
MHW	=	3.833				MLW	=	2.034					
M.S.L.	=	2.952				M.T.L.	=	2.934					
MHWS	=	3.894				MLWS	=	2.057					
MHWN	=	3.630				MLWN	=	1.730					
Mn.sp.range	=	1.836				Sp.range							
Mn.np.range	=	1.900				Np.range							
Mn.range	=	1.799											

# TIDES : DAILY HIGH AND LOW WATERS

Station.....SAMUTSONGKRAM.....Month.....NOVEMBER.....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	0700	4.17	1730	3.84		1	1230	2.73	0100	1.84			
2	0730	4.24	1800	3.92		2	1300	2.85	0130	1.77			
3	0800	4.37	1800	3.86		3	1400	3.05	0200	1.84			
4	0830	4.24	1800	3.66		4	1340	3.05	0220	1.89			
5	0830	4.23	1955	3.68		5	1430	3.25	0200	2.21			
6	1000	4.14	1900	3.52		6	1544	3.28	0200	2.21			
7	1100	4.12	-	-		7	-	-	0300	2.23			
8	1100	4.07	-	-	☾	8	-	-	0400	1.96			
9	1230	4.00	-	-		9	-	-	0500	2.04			
10	1400	4.12	-	-		10	2100	2.77	0530	2.33			
11	1400	4.07	0100	3.16		11	2100	2.52	0730	2.52			
12	1500	4.05	0300	3.42		12	0900	2.60	2230	2.19			
13	1500	4.05	0400	3.73		13	0950	2.77	2300	1.91			
14	0500	4.16	1600	4.08	☉	14	-	-	1100	2.92			
15	0600	4.30	1640	4.10		15	1130	2.96	0000	1.80			
16	0700	4.36	1700	4.15		16	1230	3.16	0100	1.56			
17	0800	4.32	1730	3.93		17	1300	3.08	0130	1.60			
18	0900	4.31	1800	3.82		18	1400	3.32	0300	1.33			
19	1000	4.31	1830	3.78		19	1450	3.33	0000	1.40			
20	1030	4.22	1930	3.56		20	1615	3.32	0400	1.52			
21	1100	4.20	-	-	☾	21	-	-	0400	1.57			
22	1200	4.07	2130	3.10		22	1845	2.92	0400	1.79			
23	1300	4.06	2230	3.07		23	2030	2.69	0300	2.06			
24	1330	3.97	-	-		24	0530	2.65	2100	2.42			
25	1400	3.94	0240	3.31		25	0800	2.89	2130	2.21			
26	1400	3.98	0410	3.71		26	0900	3.14	2200	2.11			
27	0500	3.90	1500	3.76		27	1000	3.18	2300	1.96			
28	0600	4.16	1530	3.98		28	1100	3.38	2300	2.20			
29	0600	4.31	1550	3.96	●	29	1120	3.42	2300	1.95			
30	0700	4.08	1640	3.56		30	1210	3.08	2300	1.73			
31						31							
Monthly						Monthly							
Sum		124.52		88.66		Sum		75.39		59.07			
Mean						Mean							
mean MSL						mean MSL							
H'est HW	=	4.370				L'est LW	=	1.330					
MHHW	=	4.151				MLLW	=	1.969					
MLHW	=	3.694				MHLW	=	3.016					
MHW	=	3.948				MLW	=	2.445					
M.S.L.	=	3.172				M.T.L.	=	3.196					
MHWS	=	4.070				MLWS	=	2.526					
MHWN	=	3.872				MLWN	=	2.267					
Mn.sp.range	=	1.544				Sp.range							
Mn.np.range	=	1.605				Np.range							
Mn.range	=	1.503											

# TIDES : DAILY HIGH AND LOW WATERS

Station.....SAMUTSONGKRAM.....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	
1	0800	4.12	1730	3.70		1	1220	3.16	0100	1.44			
2	0830	4.31	1815	3.84		2	1350	3.48	0100	1.71			
3	0830	4.32	1705	3.88		3	1310	3.50	0130	1.97			
4	0910	4.32	1740	3.73		4	1500	3.48	0200	1.99			
5	1000	4.30	-	-		5	-	-	0300	1.72			
6	1030	4.29	-	-		6	-	-	0300	1.80			
7	1130	4.14	-	-	☾	7	-	-	0330	1.95			
8	1140	4.04	-	-		8	-	-	0400	2.14			
9	1200	4.08	-	-		9	1930	2.73	0400	2.51			
10	1300	3.99	0000	3.24		10	0600	2.84	2100	2.35			
11	1325	3.92	0300	3.45		11	0800	3.04	2200	1.85			
12	0430	3.70	1430	3.64		12	1000	3.00	2300	1.44			
13	0500	3.83	1525	3.66		13	-	-	1100	2.96			
14	0600	4.17	1600	3.82	☉	14	1120	3.23	0000	1.30			
15	0700	4.26	1700	3.80		15	1200	3.28	0100	1.33			
16	0830	4.31	1730	3.82		16	1330	3.32	0200	1.28			
17	0900	4.28	1820	3.86		17	1400	3.45	0230	1.32			
18	0920	4.30	1900	3.52		18	1535	3.29	0300	1.56			
19	1000	4.11	1920	3.46		19	1530	3.15	0330	1.48			
20	1000	4.19	2020	3.65		20	1600	3.21	0330	1.68			
21	1000	4.19	-	-	☾	21	-	-	0330	3.19			
22	1100	4.16	2220	3.10		22	1820	2.87	0330	2.36			
23	1130	4.14	-	-		23	0430	2.90	2000	2.76			
24	1200	3.96	-	-		24	-	-	2100	2.37			
25	1300	3.70	-	-		25	-	-	2150	1.96			
26	0550	3.87	1400	3.72		26	1000	3.48	2230	1.99			
27	0600	4.08	1500	3.61		27	1100	3.41	2300	2.01			
28	0620	4.27	1500	3.97		28	1110	3.72	2359	2.00			
29	0700	4.15	-	-	●	29	-	-	-	-			
30	0800	4.12	1700	3.57		30	1300	3.32	0100	1.48			
31	0800	4.27	1710	3.72		31	1330	3.41	0100	1.60			
Monthly						Monthly							
Sum		127.89		76.76		Sum		71.27		57.5			
Mean						Mean							
mean MSL						mean MSL							
H'est HW	=	4.320				L'est LW	=	1.280					
MHHW	=	4.125				MLLW	=	1.917					
MLHW	=	3.655				MHLW	=	3.240					
MHW	=	3.936				MLW	=	2.476					
M.S.L.	=	3.176				M.T.L.	=	3.206					
MHWS	=	3.983				MLWS	=	2.302					
MHWN	=	3.998				MLWN	=	2.315					
Mn.sp.range	=	1.681				Sp.range							
Mn.np.range	=	1.683				Np.range							
Mn.range	=	1.459											

# TIDES : DAILY HIGH AND LOW WATERS

Station.....SAMUTSONGKRAM.....Month.....JANUARY.....Year...2017.....

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	
1	0830	4.26	1740	3.70		1	1430	3.44	0130	1.66	
2	0930	4.26	1820	3.86		2	1430	3.36	0230	1.57	
3	0900	4.30	1820	3.74		3	1500	3.36	0230	1.81	
4	0930	4.28	1950	3.76		4	1600	3.41	0230	1.94	
5	1000	4.20	2030	3.56		5	1600	3.20	0330	2.12	
6	1030	4.20	2130	3.27	☾	6	1730	3.04	0330	2.39	
7	1100	4.20	-	-		7	1900	2.59	0300	2.53	
8	1020	4.01	-	-		8	-	-	2000	2.20	
9	1150	4.05	-	-		9	-	-	2100	2.05	
10	0530	4.17	-	-		10	-	-	2230	1.80	
11	0600	4.29	-	-		11	-	-	2300	1.63	
12	0600	4.24	1600	3.80	☉	12	-	-	1200	3.44	
13	0730	4.28	1630	3.84		13	1230	3.40	0100	1.42	
14	0800	4.33	1730	3.80		14	1320	3.29	0200	1.44	
15	0830	4.33	1830	3.84		15	1340	3.19	0200	1.45	
16	0800	4.60	1900	3.80		16	1420	3.19	0230	1.57	
17	0900	4.40	1940	3.81		17	1530	3.11	0300	1.78	
18	0930	4.33	2000	3.68		18	1600	3.06	0300	2.02	
19	1000	4.12	2100	3.38		19	1630	2.81	0300	2.36	
20	0930	4.13	2220	3.30	☾	20	1700	2.78	0300	2.56	
21	1000	4.20	-	-		21	0200	3.10	1810	2.70	
22	0950	3.84	-	-		22	-	-	2000	2.55	
23	0930	3.96	-	-		23	-	-	2100	2.44	
24	0600	3.74	-	-		24	-	-	2200	1.93	
25	0600	3.94	-	-		25	-	-	2250	1.81	
26	0700	4.16	-	-		26	-	-	2300	1.88	
27	0700	4.30	-	-		27	-	-	2300	2.14	
28	0720	4.26	1600	3.82	●	28	-	-	1300	3.62	
29	0800	4.20	1730	3.65		29	1330	3.24	0100	1.74	
30	0830	4.21	1800	3.71		30	1400	3.12	0200	1.53	
31	0800	4.24	1840	3.95		31	1400	3.12	0200	1.66	
Monthly						Monthly					
Sum		130.03		70.27		Sum		59.81		63.74	
Mean						Mean					
mean MSL						mean MSL					
H'est HW	=	4.600				L'est LW	=	1.420			
MHHW	=	4.195				MLLW	=	2.056			
MLHW	=	3.698				MHLW	=	3.148			
MHW	=	4.006				MLW	=	2.471			
M.S.L.	=	3.260				M.T.L.	=	3.239			
MHWS	=	4.052				MLWS	=	2.501			
MHWN	=	3.868				MLWN	=	2.638			
Mn.sp.range	=	1.551				Sp.range					
Mn.np.range	=	1.230				Np.range					
Mn.range	=	1.535									

# TIDES : DAILY HIGH AND LOW WATERS

Station.....SAMUTSONGKRAM.....Month.....FEBRUARY.....Year...2017.....

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	0840	4.26	1925	3.72		1	1500	2.81	0230	1.84	
2	0900	4.04	2045	3.69		2	1530	2.41	0300	1.66	
3	1000	4.14	2130	3.62		3	1620	2.49	0300	2.00	
4	1000	4.12	2300	3.41	☾	4	0330	2.25	1700	2.19	
5	1000	4.04	-	-		5	0400	2.69	1800	2.01	
6	1030	3.94	0100	3.41		6	0430	3.18	1900	2.05	
7	1100	3.84	-	-		7	-	-	2030	1.97	
8	0500	3.88	-	-		8	-	-	2230	1.57	
9	0600	3.96	-	-		9	-	-	2220	2.12	
10	0600	4.20	1530	3.81		10	-	-	1130	3.45	
11	0700	4.21	1600	4.05	☉	11	1230	3.64	0000	1.74	
12	0700	4.21	1700	4.05		12	1250	3.58	0030	2.04	
13	0730	4.21	1800	4.00		13	1230	3.28	0100	1.96	
14	0800	4.20	1830	3.96		14	1300	3.19	0140	2.02	
15	0800	4.20	1930	3.92		15	1400	2.86	0200	2.20	
16	0800	4.17	1950	3.74		16	1430	2.76	0200	2.47	
17	0830	4.17	2040	3.73		17	0220	2.61	1530	2.57	
18	0900	4.12	2130	3.69		18	0300	2.72	1600	2.48	
19	0840	4.06	-	-	☾	19	0300	3.13	1630	2.45	
20	0900	3.84	-	-		20	0230	3.33	1730	2.43	
21	0900	3.68	-	-		21	-	-	1900	2.38	
22	0500	3.78	-	-		22	-	-	2030	2.05	
23	0500	3.97	-	-		23	-	-	2200	1.96	
24	0530	4.12	1500	3.40		24	1130	3.20	2300	1.74	
25	0600	4.17	1600	3.44		25	1230	3.12	2330	1.83	
26	0530	4.18	1630	3.94	●	26	-	-	1200	3.20	
27	0500	4.17	1700	4.06		27	1200	3.18	0030	1.91	
28	0700	4.17	1800	3.96		28	1300	3.11	0030	2.05	
29											
30											
31											
Monthly						Monthly					
Sum		114.05		71.6		Sum		59.54		60.34	
Mean						Mean					
mean MSL						mean MSL					
H'est HW	=	4.260				L'est LW	=	1.570			
MHHW	=	4.073				MLLW	=	2.155			
MLHW	=	3.768				MHLW	=	2.977			
MHW	=	3.950				MLW	=	2.498			
M.S.L.	=	3.219				M.T.L.	=	3.224			
MHWS	=	3.814				MLWS	=	2.721			
MHWN	=	3.839				MLWN	=	2.519			
Mn.sp.range	=	1.093				Sp.range					
Mn.np.range	=	1.321				Np.range					
Mn.range	=	1.453									

# TIDES : DAILY HIGH AND LOW WATERS

Station.....SAMUTSONGKRAM.....Month.....MARCH.....Year...2017.....

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	0720	4.35	1830	4.00		1	1320	2.88	0120	2.15			
2	0750	4.31	1920	4.12		2	1320	2.61	0140	2.23			
3	0825	4.21	2000	4.13		3	0200	2.51	1430	2.00			
4	0800	4.14	2130	3.91		4	0230	2.82	1530	2.25			
5	0830	4.07	2300	3.72	☾	5	0320	3.79	1630	2.00			
6	0900	3.96	-	-		6	0330	3.11	1730	1.88			
7	1000	3.88	-	-		7	-	-	1805	1.74			
8	0330	4.02	-	-		8	-	-	2030	1.95			
9	0430	4.14	-	-		9	-	-	2140	2.01			
10	0500	4.16	1500	3.54		10	1100	3.30	2300	1.77			
11	0600	4.11	1630	3.61		11	-	-	1200	3.01			
12	0700	4.16	1720	3.81	☉	12	1230	2.71	0000	1.68			
13	0600	4.15	-	-		13	-	-	1230	2.40			
14	-	-	-	-		14	-	-	-	-			
15	1900	4.08	-	-		15	-	-	1400	2.09			
16	2000	4.16	0800	4.05		16	1430	2.12	0200	2.04			
17	0800	4.09	2045	3.98		17	0230	2.38	1500	1.99			
18	2100	3.99	0800	3.89		18	0300	2.40	1500	2.00			
19	0830	3.92	2200	3.90		19	0400	2.84	1550	1.88			
20	2300	3.84	0850	3.76	☾	20	0325	2.97	1630	1.98			
21	0810	3.56	-	-		21	0450	3.23	1700	1.89			
22	0020	3.66	-	-		22	-	-	1730	2.10			
23	0300	3.85	-	-		23	-	-	1930	2.29			
24	0315	3.87	-	-		24	-	-	2030	2.12			
25	0430	3.99	1540	3.21		25	1100	2.92	2200	2.04			
26	0500	4.10	1620	3.60		26	1100	2.80	2340	2.13			
27	0500	4.16	1630	3.78		27	-	-	1200	2.76			
28	0500	4.16	1730	4.07	●	28	1200	2.39	0000	2.04			
29	0600	4.19	1800	4.11		29	1240	2.37	0000	2.28			
30	1900	4.16	0700	4.11		30	0050	2.27	1400	1.80			
31	0700	4.25	2000	4.16		31	0140	2.52	1430	1.81			
Monthly						Monthly							
Sum		121.69		77.46		Sum		54.94		62.31			
Mean						Mean							
mean MSL						mean MSL							
H'est HW	=	4.350				L'est LW	=	1.680					
MHHW	=	4.056				MLLW	=	2.077					
MLHW	=	3.873				MHLW	=	2.747					
MHW	=	3.983				MLW	=	2.345					
M.S.L.	=	3.176				M.T.L.	=	3.164					
MHWS	=	4.045				MLWS	=	2.337					
MHWN	=	3.860				MLWN	=	2.463					
Mn.sp.range	=	1.707				Sp.range							
Mn.np.range	=	1.397				Np.range							
Mn.range	=	1.638											