

MANILA SOUTH HARBOR

LAT 14° 35'N LONG 120° 58'E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

September			October			November			December		
Time	Ht.		Time	Ht.		Time	Ht.		Time	Ht.	
h. min.	m.		h. min.	m.		h. min.	m.		h. min.	m.	
1 FRI	02 34 10 38 18 18	0.43 1.41 0.10	16 SAT	03 34 10 53 17 42 23 27	0.37 1.04 0.28 0.67	1 SUN	04 49 11 36 17 21 23 18	0.16 0.92 0.38 0.93	16 MON	05 09 11 37 16 09 22 42	0.07 0.64 0.38 0.93
2 SAT	00 06 03 57 11 34 18 43	0.59 0.39 1.29 0.24	17 SUN	04 35 11 34 12 50 23 43	0.33 0.95 0.35 0.76	2 MON	05 57 12 30 17 19 23 44	0.08 0.74 0.45 1.03	17 TUE	06 00 12 26 16 03 23 03	-0.02 0.54 0.39 1.02
3 SUN	00 24 05 21 12 27 19 02	0.71 0.35 1.11 0.37	18 MON	05 36 12 15 17 51	0.28 0.83 0.40	3 TUE	07 06 13 32 16 53	0.03 0.55 0.46	18 WED	06 53 13 26 15 53 23 30	-0.08 0.43 0.38 1.09
4 MON	00 48 06 45 13 18 19 09	0.84 0.32 0.90 0.46	19 TUE	00 01 06 38 12 58 17 46	0.85 0.23 0.70 0.43	4 WED	00 15 08 17	1.10 0.01	19 THU	07 49	-0.12
5 TUE	01 15 08 11 14 15 18 51	0.95 0.29 0.67 0.51	20 WED	00 22 07 42 13 50 17 36	0.94 0.19 0.55 0.43	5 THU	00 50 09 39	1.12 0.00	20 FRI	00 03 08 54	1.14 -0.14
6 WED	01 49 09 45 16 17 17 00	1.04 0.26 0.47 0.47	21 THU	00 48 08 53 15 17 17 04	1.02 0.14 0.42 0.41	6 FRI	01 31 11 21	1.11 -0.01	21 SAT	00 45 10 15	1.15 -0.14
7 THU	02 29 11 48	1.09 0.20	22 FRI	01 23 10 19	1.09 0.09	7 SAT	02 24 12 57	1.06 -0.03	22 SUN	01 39 11 49	1.14 -0.14
8 FRI	03 20 13 55	1.11 0.11	23 SAT	02 09 12 15	1.13 0.03	8 SUN	03 36 13 56	1.01 -0.03	23 MON	02 56 13 01	1.11 -0.15
9 SAT	04 27 14 58	1.11 0.04	24 SUN	03 16 13 45	1.16 -0.05	9 MON	04 54 14 34	0.98 -0.02	24 TUE	04 27 13 51	1.07 -0.12
10 SUN	05 40 15 36	1.11 0.00	25 MON	04 42 14 40	1.19 -0.11	10 TUE	06 06 15 03	0.95 0.01	25 WED	05 51 14 27 21 29	1.02 -0.05 0.51
11 MON	06 45 16 06	1.12 0.00	26 TUE	06 05 15 21	1.22 -0.12	11 WED	07 12 15 26 22 15	0.93 0.06 0.50	26 THU	00 16 07 15 14 54 21 15	0.47 0.97 0.04 0.60
12 TUE	07 43 16 31	1.14 0.03	27 WED	07 21 15 55 22 43	1.24 -0.07 0.49	12 THU	01 15 08 14 15 45 21 58	0.45 0.91 0.13 0.55	27 FRI	02 01 08 36 15 17 21 24	0.33 0.90 0.16 0.73
13 WED	08 36 16 54 23 31	1.15 0.08 0.47	28 THU	00 36 08 32 16 24 22 30	0.47 1.23 0.02 0.55	13 FRI	02 30 09 12 15 59 22 00	0.36 0.87 0.20 0.64	28 SAT	03 13 09 47 15 32 21 41	0.17 0.80 0.27 0.87
14 THU	01 08 09 24 17 13 23 12	0.46 1.14 0.14 0.51	29 FRI	02 20 09 39 16 50 22 39	0.37 1.18 0.13 0.66	14 SAT	03 27 10 03 16 08 22 10	0.27 0.81 0.27 0.73	29 SUN	04 15 10 49 15 38 22 03	0.02 0.68 0.36 1.00
15 FRI	02 31 10 10 17 30 23 15	0.42 1.10 0.21 0.58	30 SAT	03 38 10 40 17 09 22 56	0.26 1.08 0.26 0.79	15 SUN	04 18 10 51 16 12 22 24	0.17 0.74 0.33 0.83	30 MON	05 15 11 49 15 30 22 29	-0.10 0.55 0.40 1.10
									31 TUE	06 14 13 00 15 01 22 59	-0.18 0.41 0.39 1.16

TIME MERIDIAN 120 DEG. EAST. 0000 IS MIDNIGHT, 1200 IS NOON

HEIGHTS ARE IN METERS AND RECKONED FROM THE DATUM OF SOUNDINGS ON CHARTS OF THE LOCALITY WHICH IS MEAN LOWER LOW WATER