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. h. min. m.	Time Ht. h. min. m.	Time Ht.	Time Ht.	Time Ht.	Time Ht.	Time Ht.
1 02 34 0.43 FRI 10 38 1.41 18 18 0.10	03 34 0.37 10 53 1.04 17 42 0.28 23 27 0.67	1 04 49 0.16 SUN 11 36 0.92 17 21 0.38 23 18 0.93	16 05 09 0.07 MON 11 37 0.64 16 09 0.38 22 42 0.93	1 07 13 -0.22 WED 23 33 1.17	16 07 01 -0.33 THU 23 02 1.22	1 08 09 -0.31 FRI 23 53 1.14	16 08 00 -0.41 SAT 23 48 1.28
2 00 06 0.59 17 SUN 11 34 1.29 18 43 0.24	04 35 0.33 11 34 0.95 17 50 0.35 23 43 0.76	2 05 57 0.08 MON 12 30 0.74 17 19 0.45 23 44 1.03	17 06 00 -0.02 TUE 12 26 0.54 16 03 0.39 23 03 1.02	2 08 15 -0.22	17 07 56 -0.34 FRI 23 44 1.22	2 09 01 -0.25	17 08 53 -0.34
3 00 24 0.71 8 MON 12 27 1.11 19 02 0.37	05 36	3 07 06 0.03 TUE 13 32 0.55 16 53 0.46	18 06 53 -0.08 WED 13 26 0.43 15 53 0.38 23 30 1.09	3 00 11 1.14 FRI 09 23 -0.18	18 08 58 -0.31 SAT	3 00 39 1.07 SUN 09 52 -0.18	18 00 42 1.20 MON 09 44 -0.25
4 00 48 0.84 19 TUE 13 18 0.90 19 09 0.46	00 01 0.85 06 38 0.23 12 58 0.70 17 46 0.43	4 00 15 1.10 WED 08 17 0.01	19 07 49 -0.12	4 00 55 1.08 SAT 10 36 -0.14	19 00 33 1.19 SUN 10 07 -0.27	4 01 27 0.98 MON 10 40 -0.11	19 01 42 1.08 TUE 10 29 -0.13
5 01 15 0.95 VED 14 15 0.67 18 51 0.51	00 22 0.94 07 42 0.19 13 50 0.55 17 36 0.43	5 00 50 1.12 THU 09 39 0.00	20 00 03 1.14 FRI 08 54 -0.14	5 01 49 1.01 SUN 11 47 -0.10	20 01 35 1.12 MON 11 15 -0.21	5 02 18 0.88 TUE 11 20 -0.04	20 02 43 0.92 WED 11 05 -0.01 18 34 0.49 21 22 0.47
6 01 49 1.04 21 THU 17 00 0.47	00 48 1.02 08 53 0.14 15 17 0.42 17 04 0.41	6 01 31 1.11 FRI 11 21 -0.01 ℂ	21 00 45 1.15 SAT 10 15 -0.14	6 02 54 0.93 MON 12 40 -0.06	21 02 50 1.02 TUE 12 08 -0.13	6 03 12 0.76 WED 11 50 0.03	21 03 50 0.72 THU 11 31 0.11 18 31 0.62
7 02 29 1.09 22 FRI	01 23 1.09 10 19 0.09	7 02 24 1.06 SAT 12 57 -0.03	22 01 39 1.14 SUN 11 49 -0.14	7 04 04 0.85 TUE 13 18 -0.01	22 04 10 0.91 WED 12 48 -0.04 20 24 0.52 23 27 0.48	7 04 12 0.63 THU 12 11 0.10 19 47 0.56	22 00 24 0.36 FRI 05 23 0.52 11 46 0.21 18 54 0.77
8 03 20 1.11 23 SAT	02 09 1.13 12 15 0.03	8 03 36 1.01 sun 13 56 -0.03	23 02 56 1.11 MON 13 01 -0.15	8 05 15 0.78 WED 13 45 0.05 21 22 0.51	23 05 36 0.78 THU 13 17 0.07 20 03 0.63	8 01 16 0.39 FRI 05 33 0.50 12 24 0.17 19 40 0.66	23 02 04 0.18 SAT 07 55 0.37 11 45 0.28 19 24 0.91
9 04 27 1.11 24 SAT 14 58 0.04 SUN	03 16 1.16 13 45 -0.05	9 04 54 0.98 MON 14 34 -0.02	24 04 27 1.07 TUE 13 51 -0.12	9 00 51 0.46 THU 06 29 0.70 14 06 0.11 20 53 0.58	24 01 28 0.33 FRI 07 18 0.65 13 37 0.18 20 14 0.77	9 02 24 0.24 SAT 07 40 0.40 12 29 0.24 19 50 0.77	24 03 21 -0.01 SUN 10 10 0.31 11 11 0.30 19 56 1.03
	04 42 1.19 14 40 -0.11	10 06 06 0.95 TUE 15 03 0.01	25 05 51 1.02 WED 14 27 -0.05 21 29 0.51	10 02 09 0.34 FRI 07 52 0.64 14 19 0.18 20 53 0.67	25 02 42 0.14 SAT 08 54 0.55 13 48 0.27 20 34 0.91	10 03 17 0.07 SUN 09 18 0.35 12 27 0.28 20 07 0.90	25 04 21 -0.17 MON 20 30 1.12
11 06 45 1.12 26 MON 16 06 0.00 TUE	06 05 1.22 15 21 -0.12	11 07 12 0.93 WED 15 26 0.06 22 15 0.50	26 00 16 0.47 THU 07 15 0.97 14 54 0.04 21 15 0.60	11 03 03 0.21 SAT 09 06 0.58 14 27 0.25 21 02 0.78	26 03 45 -0.04 SUN 10 11 0.46 13 46 0.33 20 59 1.04	11 04 03 -0.10 MON 10 36 0.31 12 20 0.30 20 30 1.02	26 05 12 -0.29 TUE 21 07 1.18
12 07 43 1.14 27 TUE 16 31 0.03 WED	07 21 1.24 15 55 -0.07 22 43 0.49	12 01 15 0.45 THU 08 14 0.91 15 45 0.13 21 58 0.55	27 02 01 0.33 FRI 08 36 0.90 15 17 0.16 21 24 0.73	12 03 51 0.06 SUN 10 06 0.52 14 27 0.31 21 16 0.89	27 04 42 -0.18 MON 11 26 0.37	12 04 48 -0.25 TUE 20 59 1.14	27 05 56 -0.35 WED 21 45 1.21
13 08 36 1.15 28 WED 16 54 0.08 THU 23 31 0.47	00 36 0.47 08 32 1.23 16 24 0.02 22 30 0.55	13 02 30 0.36 FRI 09 12 0.87 15 59 0.20 22 00 0.64	28 03 13 0.17 SAT 09 47 0.80 15 32 0.27 21 41 0.87	13 04 36 -0.07 MON 11 01 0.46	28 05 36 -0.29 TUE 21 59 1.20	13 05 33 -0.36 WED 21 33 1.23	28 06 37 -0.36 THU 22 24 1.21
14 01 08 0.46 29 THU 09 24 1.14 FRI 17 13 0.14 23 12 0.51	02 20 0.37 09 39 1.18 16 50 0.13 22 39 0.66	14 03 27 0.27 SAT 10 03 0.81 16 08 0.27 22 10 0.73	29 04 15 0.02 SUN 10 49 0.68 0.36 22 03 1.00	14 05 22 -0.19 TUE 11 59 0.39 14 18 0.34 21 58 1.10	29 06 28 -0.34 WED 22 33 1.21	14 06 19 -0.43 THU 22 12 1.29	29 07 17 -0.33 FRI 23 06 1.18
15 02 31 0.42 FRI 10 10 1.10 SAT	03 38 0.26 10 40 1.08 17 09 0.26 22 56 0.79	15 04 18 0.17 SUN 10 51 0.74 16 12 0.33 22 24 0.83	30 05 15 -0.10 MON 11 49 0.55 15 30 0.40 22 29 1.10	15 06 10 -0.28 WED 13 27 0.32 13 50 0.32 22 27 1.17	30 07 19 -0.34 THU 23 12 1.19	15 07 09 -0.44 FRI 22 57 1.31	30 07 55 -0.27 SAT 23 48 1.13
			31 06 14 -0.18 TUE 13 00 0.41 15 01 0.39 22 59 1.16				31 08 32 -0.20 sun

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