CATANAUAN, QUEZON

LAT 13° 34'N LONG 122° 19'E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

May	June	July	August
Time Ht. Time Ht.	Time Ht. Time Ht.	Time Ht. Time Ht.	Time Ht. Time Ht.
h. min. m. 1 03 18 0.34 MON 09 34 0.98 14 33 0.69 20 27 1.19 h. min. m. 16 02 30 0.11 TUE 08 51 1.14 14 42 0.35 20 52 1.23	h. min. m. 1 02 27 0.47 THU 09 13 1.51 15 59 0.23 21 44 1.05 h. min. m. 16 02 25 0.54 FRI 09 03 1.71 16 30 -0.09 22 47 0.79	1 02 03 0.55 SAT 09 10 1.78 16 56 0.05 22 50 0.86 h. min. m. 16 17 22 -0.09 SUN 23 48 0.73	1 03 21 0.66 TUE 10 29 2.01 18 15 -0.30 H. min. m. 16 04 09 0.62 WED 10 48 1.81 18 15 -0.01
2 03 35 0.32 TUE 09 44 1.16 15 28 0.44 21 24 1.26 15 15 11.16	2 03 03 0.47 FRI 09 46 1.68 16 54 0.07 22 43 1.01 17 02 51 0.57 SAT 09 39 1.85 17 21 -0.18 23 45 0.76	2 02 50 0.57 SUN 09 55 1.90 17 48 -0.10 23 57 0.87 17 02 27 0.64	2 00 27 0.95 WED 04 17 0.65 11 15 2.06 18 52 -0.34 THU 05 03 0.56 11 30 1.82 18 47 0.06
3 03 57 0.32 18 03 38 0.31 THU 09 48 1.56 16 14 0.23 22 12 1.28 22 46 1.07	3 03 36 0.49 18 03 15 0.58 SUN 10 16 1.94 18 06 -0.20	3 03 30 0.61 MON 10 39 1.98 ○ 18 34 -0.22 18 00 21 0.80 TUE 03 23 0.64 ● 10 49 1.91 18 38 -0.10	3 00 59 0.97 THU 05 06 0.61 11 57 2.07 19 26 -0.30 18 00 47 1.07 FRI 05 46 0.52 12 07 1.77
4 04 20 0.34 19 04 03 0.40 THU 10 30 1.49 FRI 10 18 1.73 17 00 0.09 17 19 -0.23 22 59 1.24 23 39 0.96	4 04 05 0.54 SUN 10 57 1.87 18 39 -0.11 19 00 33 0.76 MON 03 40 0.58	4 00 48 0.88 TUE 04 06 0.66 11 22 2.03 19 17 -0.28 19 15 -0.04	4 01 27 0.99 FRI 05 53 0.53 12 36 2.02 12 40 1.67 19 54 -0.19 12 40 0.32
5 04 42 0.39 RRI 10 57 1.61 SAT 10 47 1.86 18 05 -0.27	5 00 49 0.90 MON 04 27 0.60 11 30 1.91 19 26 -0.15	5 01 31 0.88 WED 04 41 0.69 12 03 2.05 19 55 -0.30 THU 05 16 0.67 19 50 0.06	5 01 51 1.04 SAT 06 37 0.44 13 15 1.91 20 18 -0.04 20 01 30 1.12 SUN 06 55 0.50 13 05 1.53 19 49 0.45
6 05 00 0.46 SAT 11 24 1.68 0 18 35 -0.01 21 00 31 0.88 SUN 04 38 0.51 11 16 1.93 18 50 -0.24	6 01 40 0.85 TUE 04 45 0.64 WED 04 37 0.64	6	6 02 13 1.12 21 01 33 1.17 SUN 07 22 0.34 13 54 1.72 20 36 0.12 13 22 1.37 19 38 0.52
7 00 38 1.03 22 01 20 0.81 sun 05 11 0.53 11 48 1.73 19 22 -0.01 19 33 -0.17	7 02 24 0.79 22 02 35 0.78 THU 20 43 0.10	7 02 37 0.86 FRI 06 09 0.64 13 20 1.99 21 00 -0.19 22 02 28 0.92 SAT 06 39 0.68 13 11 1.64 20 39 0.33	7 MON 02 36 0.29 14 34 1.46 20 48 0.27 22 01 30 1.27 TUE 07 52 0.53 1.32 1.33 5 1.22 19 33 0.51
8 01 28 0.91 MON 05 20 0.56 12 12 1.77 20 06 -0.01 23 02 04 0.75 TUE 05 04 0.55	8 03 03 0.75 THU 21 26 -0.18	8 03 06 0.89 SAT 07 06 0.58 14 00 1.87 21 27 -0.06 23 02 43 0.94 20 45 0.44	8 03 00 1.36 TUE 09 04 0.29 ℂ 15 17 1.16 ℂ 20 53 0.38 23 01 45 1.37 WED 08 34 0.56 13 51 1.06 19 45 0.47
9 02 14 0.80 24 02 46 0.70 WED 05 19 0.58	9 03 42 0.73 24 03 46 0.77 SAT 21 33 0.36	9 03 34 0.96 24 02 40 1.00 MON 07 51 0.68 13 54 1.36 20 42 0.49	9 03 32 1.45 24 02 18 1.44 THU 10 06 0.61 16 17 0.86 20 55 0.45 20 05 0.46 20 20 05 0.46
10 02 58 0.71	10 04 27 0.75 SAT 07 19 0.64 25 04 17 0.79 SUN 06 50 0.76	10 04 09 1.06 MON 09 06 0.49	10 04 18 1.50 THU 12 05 0.37 18 00 0.61 20 56 0.50 25 03 15 1.46 FRI 12 00 0.57 14 39 0.66 20 26 0.51
11 03 47 0.64 THU 22 27 -0.04	11 05 22 0.81 SUN 08 48 0.66 MON 08 42 0.80	11 04 52 1.18 TUE 10 35 0.48	11 05 26 1.53
12 04 51 0.60 FRI 23 29 -0.02 SAT 22 44 0.42	12 06 19 0.94 MON 10 39 0.64 17 13 1.25 27 06 06 1.00 TUE 10 58 0.80	12 05 47 1.32 27 05 24 1.30 28 WED 12 36 0.41 18 35 0.82 17 47 0.77 21 46 0.55	12 06 38 1.57 27 07 00 1.58 SUN 15 55 0.15 23 01 0.77
13 15 54 1.55 28 15 14 1.25 SUN 23 38 0.48	13 00 27 0.25 TUE 07 07 1.11 13 02 0.50 19 09 1.06 28 06 56 1.19 WED 13 07 0.67 18 43 0.91	13 06 42 1.46 THU 14 15 0.27 20 09 0.67 22 55 0.59 28 06 41 1.46 FRI 14 24 0.47 19 36 0.70 23 33 0.62	13 07 49 1.62 28 16 30 -0.08 MON 22 59 0.89
14 00 40 0.00 29 08 29 0.91 MON 11 16 0.85	14 01 14 0.38 WED 07 48 1.32 14 27 0.27 20 28 0.93 29 00 00 0.56 THU 07 42 1.40 14 39 0.47 20 06 0.86	14 07 34 1.61 FRI 15 42 0.11 22 09 0.64 29 07 43 1.62 SAT 16 06 0.23 22 06 0.73	14 17 12 0.00 MON 23 28 0.83 29 02 21 0.71 TUE 09 24 1.84 17 07 -0.24 23 22 0.99
15 01 42 0.04 MON 08 22 0.94 13 21 0.62 19 39 1.28	15 01 54 0.48 THU 08 27 1.53 FRI 08 26 1.61 15 33 0.06 21 39 0.85 RI 08 26 0.85	15 16 40 -0.02 30 01 17 0.64 SUN 08 42 1.78 16 53 -0.01 23 09 0.83	15 02 45 0.70 TUE 10 00 1.76 17 42 -0.03 23 51 0.93 30 03 34 0.62 WED 10 18 1.95 17 42 -0.30 23 48 1.06
31 01 46 0.49 WED 08 44 1.30 15 03 0.44 20 46 1.06		31 02 23 0.65 MON 09 38 1.91 17 35 -0.19 23 51 0.90	31 04 29 0.50 THU 11 03 1.99 18 15 -0.27
TIME MERIDIAN 120 DEG. EAST, 0000 IS N	MIDNICHT 1200 IS NOON		

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