CATANAUAN, QUEZON

LAT 13° 34'N LONG 122° 19'E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

January		February		March		April	
Time Ht.	Time Ht.	Time Ht.	Time Ht.	Time Ht. h. min. m.	Time Ht.	Time Ht.	Time Ht.
1 05 26 0.87 SUN 11 03 0.35 18 30 1.16	16 03 17 0.84 MON 09 52 0.39 18 21 1.15	1 03 28 0.20 WED 19 09 1.41	16 03 14 0.19 THU 19 39 1.47	1 02 31 0.38 WED 07 47 0.34 16 28 1.36	16 00 13 0.26 THU 06 10 0.46	1 03 57 0.21 SAT 19 07 1.22	16 02 45 -0.10 SUN 09 46 0.83 13 26 0.71
2 01 24 0.32 MON 07 18 0.68 11 24 0.45 19 21 1.33	17 01 10 0.49 TUE 06 40 0.67 11 08 0.45 19 24 1.33	2 04 24 0.04 THU 20 15 1.49	17 04 12 -0.09 FRI 11 08 0.68	2 04 16 0.23 THU 18 02 1.31	17 02 33 0.08 FRI 18 57 1.45	2 04 12 0.15 SUN 10 27 0.86 14 44 0.71 21 00 1.32	17 09 52 0.98 MON 14 55 0.46 21 15 1.49
3 02 54 0.15 TUE 08 46 0.60 12 11 0.50 20 07 1.49	18 03 00 0.26 WED 08 21 0.63 12 58 0.48 20 20 1.52	3 04 55 -0.07 FRI 11 27 0.63	18 04 53 -0.32 SAT 11 23 0.78 14 54 0.58 21 51 1.77	3 04 25 0.11 FRI 19 42 1.34	18 03 39 -0.14 SAT 10 57 0.75	3 04 33 0.11 MON 10 35 1.00 15 45 0.49 21 54 1.43	18 04 06 -0.11 TUE 10 13 1.14 15 51 0.20 22 09 1.48
4 04 01 -0.02 WED 10 13 0.59 13 22 0.52 20 51 1.62	19 04 19 0.00 THU 10 24 0.68 14 06 0.50 21 14 1.68	4 05 27 -0.15 SAT 11 45 0.72 15 01 0.56 22 15 1.67	19 05 31 -0.47 SUN 11 48 0.86 15 59 0.49 22 42 1.87	4 04 43 0.02 SAT 11 09 0.73	19 04 19 -0.30 sun 10 48 0.86 15 00 0.56 21 35 1.67	4 04 58 0.11 TUE 10 54 1.14 16 30 0.30 22 38 1.48	19 04 37 0.00 WED 10 37 1.31 16 39 -0.02 22 59 1.41
5 04 50 -0.14 THU 11 12 0.63 14 17 0.51	20 05 09 -0.24 FRI 11 27 0.76 15 03 0.51 22 04 1.81	5 06 02 -0.18 SUN 12 12 0.80 16 18 0.52 23 03 1.72	20 06 06 -0.51 MON 12 14 0.91 16 50 0.37 23 26 1.90	5 05 08 -0.05 SUN 11 16 0.84 15 45 0.56 22 12 1.56	20 04 55 -0.36 MON 11 06 0.97 16 00 0.36 22 27 1.73	5 05 24 0.15 WED 11 17 1.26 17 12 0.17 23 19 1.46	20 05 03 0.13 THU 11 02 1.48 17 24 -0.18 23 45 1.28
6 11 54 0.68 FRI 15 03 0.51	21 05 52 -0.42 SAT 12 11 0.81 15 53 0.52 22 51 1.91	6 06 37 -0.17 MON 12 42 0.85 17 12 0.48 23 45 1.72	21 06 39 -0.45 TUE 12 38 0.96 17 35 0.24	6 05 37 -0.07 MON 11 38 0.95 16 36 0.42 22 56 1.63	21 05 27 -0.31 TUE 11 27 1.08 16 48 0.16 23 13 1.71	6 05 48 0.23 THU 11 41 1.35 17 52 0.11 23 58 1.37	21 05 24 0.26 FRI 11 27 1.64 18 07 -0.27
7 12 33 0.72 SAT 15 45 0.52 23 00 1.81	22 06 33 -0.52 SUN 12 48 0.82 16 40 0.51 23 35 1.97	7 07 11 -0.09 TUE 13 12 0.88 17 54 0.45	22 00 08 1.86 WED 07 06 -0.32 13 00 1.04 18 17 0.11	7 06 08 -0.04 TUE 12 03 1.03 17 20 0.32 23 36 1.62	22 05 55 -0.19 WED 11 50 1.20 17 31 -0.01 23 57 1.62	7 06 06 0.34 FRI 12 02 1.42 18 33 0.09	22 00 32 1.14 SAT 05 41 0.36 11 51 1.76 18 51 -0.27
8 06 52 -0.21 SUN 13 10 0.75 16 24 0.54 23 40 1.79	23 07 10 -0.54 MON 13 19 0.82 17 25 0.46	8 00 20 1.67 WED 07 42 0.03 13 37 0.89 18 27 0.44	23 00 48 1.75 THU 07 29 -0.15 13 22 1.15 18 58 0.01	8 06 38 0.05 WED 12 28 1.09 17 59 0.27	23 06 18 -0.03 THU 12 12 1.34 18 13 -0.13	8 00 36 1.23 SAT 06 12 0.43 12 18 1.48 19 12 0.11	23 01 17 0.99 SUN 05 51 0.41 12 16 1.83 19 33 -0.21
9 07 31 -0.15 MON 13 47 0.75 16 57 0.56	24 00 16 1.98 TUE 07 43 -0.48 13 46 0.84 18 09 0.38	9 00 49 1.56 THU 08 02 0.17 13 51 0.91 18 55 0.43	24 01 26 1.56 FRI 07 46 0.01 13 43 1.28 19 39 -0.04	9 00 12 1.55 THU 07 02 0.17 12 48 1.13 18 34 0.25	24 00 39 1.46 FRI 06 38 0.12 12 35 1.48 18 54 -0.20	9 01 09 1.08 SUN 06 09 0.47 12 33 1.54 19 50 0.14	24 02 01 0.84 MON 05 58 0.44 12 39 1.84 20 15 -0.11
10 00 15 1.74 TUE 08 06 -0.04 14 19 0.73 17 28 0.57	25 00 55 1.92 WED 08 12 -0.36 14 10 0.88 18 54 0.28	10 01 11 1.43 FRI 08 07 0.29 13 51 0.97 19 23 0.42	25 02 03 1.32 SAT 07 57 0.14 14 04 1.39 20 22 -0.01	10 00 43 1.42 FRI 07 14 0.30 13 00 1.19 19 05 0.25	25 01 19 1.27 SAT 06 51 0.23 12 57 1.60 19 35 -0.18	10 01 40 0.93 MON 06 12 0.45 12 51 1.61 20 33 0.15	25 02 42 0.72 TUE 06 05 0.45
11 00 45 1.65 WED 08 35 0.10 14 42 0.71 18 00 0.57	26 01 33 1.78 THU 08 35 -0.19 14 33 0.97 19 39 0.21	11 01 28 1.29 SAT 07 57 0.33 13 51 1.08 19 57 0.42	26 02 37 1.06 SUN 08 01 0.23 14 25 1.46 21 09 0.08	11 01 06 1.27 SAT 07 09 0.38 13 06 1.26 19 33 0.27	26 01 58 1.06 SUN 06 58 0.30 13 18 1.67 20 16 -0.11	11 02 15 0.79 TUE 06 26 0.42 13 17 1.66 21 27 0.15	26 03 24 0.61 WED 06 11 0.47
12 01 08 1.54 THU 08 51 0.23 14 50 0.73 18 43 0.56	27 02 10 1.57 FRI 08 54 -0.02 14 57 1.07 20 27 0.18	12 01 47 1.15 SUN 07 59 0.32 14 12 1.18 20 46 0.45	27 03 06 0.80 MON 08 03 0.28	12 01 24 1.12 SUN 07 01 0.38 13 16 1.36 20 06 0.29	27 02 35 0.85 MON 07 01 0.34 13 37 1.68 20 59 0.02	12 03 12 0.65 WED 06 45 0.41 13 54 1.67 22 33 0.14	27 04 12 0.52 THU 22 27 0.31
13 01 31 1.42 FRI 08 55 0.31 14 41 0.80 19 37 0.57	28 02 48 1.29 SAT 09 05 0.13	13 02 11 0.97 MON 08 15 0.30 14 52 1.24 22 39 0.48	28 03 21 0.56 TUE 08 05 0.31 15 25 1.44 23 39 0.32	13 01 40 0.97 MON 07 09 0.34 13 39 1.44 20 59 0.31	28 03 08 0.66 TUE 07 04 0.35 13 59 1.63 21 47 0.18	13 04 34 0.53 THU 23 56 0.10	28 14 23 1.43 FRI 23 48 0.40
14 01 58 1.26 SAT 08 59 0.35 14 59 0.91 20 47 0.60	29 03 26 0.98 SUN 09 10 0.25 15 57 1.25 22 39 0.29	14 02 43 0.75 TUE 08 38 0.33 (16 31 1.26		14 02 04 0.81 TUE 07 27 0.32 14 15 1.47 22 33 0.33	29 03 41 0.50 WED 07 03 0.37 □ 14 26 1.53 □ 22 51 0.32	14 16 15 1.50 FRI	29 15 51 1.24 SAT
15 02 31 1.08 SUN 09 17 0.36	30 04 18 0.68 MON 09 14 0.32 16 51 1.30	15 00 36 0.40 WED 06 07 0.53 08 59 0.41 18 22 1.35		15 02 43 0.61 WED 07 47 0.35 (15 10 1.45	30 01 41 0.39 THU 06 24 0.38 15 09 1.39	15 01 36 0.00 SAT 18 16 1.42	30 03 03 0.36 SUN 10 13 0.86
	31 00 40 0.31 TUE 06 27 0.47 09 18 0.37 18 02 1.35				31 03 49 0.29 FRI 16 53 1.26		

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