CATANAUAN, QUEZON

LAT 13° 34'N LONG 122° 19'E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

September			ober	November	December
Time Ht.	Time Ht.	Time Ht.	Time Ht.	Time Ht. Time Ht.	Time Ht. Time Ht.
h. min. m. 1 00 14 1.12 FRI 05 15 0.38 11 46 1.95 18 44 -0.15	h. min. m. 16 00 00 1.28 SAT 05 42 0.30 11 54 1.62 18 32 0.31	h. min. m. 1 05 53 -0.06 SUN 12 18 1.52 18 13 0.24	h. min. m. 16 06 15 0.08 MON 12 18 1.25 17 39 0.52 23 51 1.62	1 07 20 -0.26 WED 13 50 0.83 17 35 0.47 h. min. m. h. min. m. 16 07 52 -0.02 THU 13 57 0.75 17 03 0.54	h. min. m. 1 14 28 0.66 FRI 17 13 0.51 h. min. m. 16 14 37 0.68 SAT 17 15 0.55
2 00 37 1.20 SAT 05 57 0.24 12 27 1.84 19 07 0.01	17 00 21 1.33 SUN 06 20 0.28 12 28 1.49 18 46 0.45	2 00 11 1.60 MON 06 36 -0.14 13 02 1.32 18 27 0.36	17 06 57 0.12 TUE 12 55 1.08 17 37 0.56	2 00 23 1.93 THU 08 04 -0.16 17 14 38 0.66 FRI 17 20 0.51 17 44 0.47	2 15 07 0.64 17 15 12 0.66 SUN 17 55 0.54
3 01 00 1.30 sun 06 39 0.13 13 08 1.67 19 25 0.18	18 00 33 1.37 MON 06 54 0.30 12 55 1.33 18 41 0.54	3 00 33 1.72 TUE 07 19 -0.15 13 46 1.11 18 34 0.43	18 00 06 1.67 WED 07 38 0.17 13 27 0.92 17 41 0.54	3 15 16 0.61 18 15 21 0.60 SAT	3 09 13 0.08 MON 18 54 0.54 MON 18 54 0.54
4 01 21 1.43 MON 07 21 0.06 13 48 1.44 19 36 0.31	19 00 39 1.44 TUE 07 25 0.34 13 12 1.16 18 32 0.55	4 00 56 1.81 WED 08 04 -0.09 14 29 0.90 18 37 0.45	19 00 24 1.72 THU 08 21 0.22 13 55 0.78 17 53 0.49	4 16 07 0.54 19 10 01 0.01 SUN 16 15 0.57	4 09 44 0.21 19 02 15 1.69 TUE 10 13 -0.07 16 34 0.73 20 12 0.54
5 01 42 1.55 TUE 08 06 0.06 14 28 1.18 19 41 0.39	20 00 49 1.53 WED 07 57 0.38 13 21 1.01 18 37 0.50	5 01 19 1.83 THU 08 51 0.03 15 13 0.70 18 42 0.45	20 00 48 1.76 FRI 09 10 0.25 14 40 0.65 18 12 0.46	5 10 18 0.27 20 10 55 0.02 MON 17 57 0.60	5 02 06 1.37 TUE 10 14 0.33 WED 10 54 0.05
6 02 04 1.64 WED 08 57 0.13 15 09 0.91 19 42 0.43	21 01 10 1.60 THU 08 42 0.43 13 35 0.87 18 54 0.45	6 01 45 1.78 FRI 09 44 0.19	21 01 21 1.75 SAT 10 10 0.25 16 00 0.56	6 02 16 1.44 MON 11 28 0.38 TUE 19 29 0.73	6 02 51 1.18 WED 10 50 0.42 19 48 0.84 22 39 0.78 21 04 14 1.20 THU 11 43 0.19 18 29 0.99
7 02 30 1.67 THU 10 00 0.25	22 01 42 1.63 FRI 10 07 0.46 13 57 0.71 19 13 0.44	7 # # SAT	22 11 24 0.21	7 14 27 0.39 22 13 05 0.06 WED 19 54 0.90	7 THU 19 56 1.00 22 00 15 0.46 FRI 06 26 0.95 12 35 0.32 19 18 1.18
8 03 06 1.63 FRI 11 29 0.36 17 37 0.49	23 02 28 1.60 SAT 11 42 0.42	8 02 57 1.49 SUN 15 11 0.33	23 03 21 1.56 MON 12 57 0.13	8 14 48 0.38 WED 21 12 1.01 THU 07 00 1.21 13 57 0.11 20 25 1.10	8 01 34 0.64 FRI 07 12 0.90 12 57 0.50 20 18 1.21 23 01 57 0.24 SAT 08 00 0.81 13 23 0.43 20 02 1.39
	24 04 03 1.52 SUN 14 06 0.28	9 04 29 1.32 MON 15 30 0.28	24 05 25 1.44 TUE 14 11 0.02 21 29 0.88	9 02 26 0.69 THU 08 09 1.12 15 06 0.37 14 39 0.19 20 57 1.31	9 02 51 0.40 SAT 08 28 0.91 13 50 0.48 20 48 1.42 20 43 1.59 20 43 1.59
10 05 36 1.45 SUN 16 05 0.21	25 06 15 1.51 MON 15 12 0.06 22 44 0.85	10 06 46 1.24 TUE 15 47 0.24 22 04 0.96	25 00 46 0.80 WED 21 27 1.04	10 03 15 0.44 FRI 09 07 1.18 15 27 0.37 21 40 1.36 25 03 19 0.09 SAT 09 29 1.10 15 14 0.29 21 27 1.52	10 03 47 0.18
11 07 21 1.43 MON 16 24 0.14 22 51 0.85	26 15 51 -0.12 TUE 22 22 0.97	11 02 42 0.77 WED 08 43 1.32 16 06 0.21 22 10 1.10	26 02 30 0.55 THU 08 47 1.47 15 37 -0.04 21 49 1.21	11 03 58 0.22 SAT 09 54 1.21 15 49 0.38 22 04 1.53 26 04 13 -0.14 SUN 10 28 1.01 15 42 0.38 21 58 1.71	11 04 41 0.01 26 05 12 -0.32 TUE 11 45 0.66 15 08 0.46 21 59 1.75 15 06 0.51
	27 02 32 0.68 WED 09 07 1.70 16 27 -0.20 22 39 1.10	12 03 33 0.53 THU 09 36 1.42 16 29 0.21 22 28 1.25	27 03 29 0.27 FRI 09 45 1.48 16 09 0.04 22 14 1.38	12 04 42 0.06 sun 10 39 1.18 mon 11 27 0.91 16 11 0.42 22 31 1.66 27 05 04 -0.29 29 1.85	TUE 11 33 0.86 WED 15 37 0.50 15 39 0.48 22 36 1.84
13 03 33 0.65 WED 09 54 1.61 17 11 0.08 23 12 1.10	28 03 37 0.47 THU 10 02 1.78 17 00 -0.18 23 02 1.21	13 04 13 0.33 FRI 10 18 1.48 16 53 0.25 22 49 1.39	28 04 18 0.02 SAT 10 36 1.42 16 37 0.17 22 39 1.55	13 05 29 -0.03 28 05 52 -0.36 TUE 12 20 0.82 16 29 0.47 16 21 0.47 23 01 1.94	13 06 24 -0.18 28 13 00 0.68 THU 16 12 0.49 23 12 1.88 23 29 1.89
14 04 22 0.49 THU 10 37 1.68 17 39 0.11 23 36 1.20	29 04 26 0.26 FRI 10 49 1.77 17 29 -0.08 23 25 1.33	14 04 53 0.18 SAT 10 59 1.47 17 16 0.33 23 12 1.49	29 05 04 -0.16 SUN 11 25 1.29 17 00 0.30 23 05 1.71	14 06 18 -0.06 TUE 12 20 0.99 16 42 0.52 23 24 1.79 29 06 38 -0.36 WED 13 06 0.74 16 36 0.48 23 34 1.96	THU 13 19 0.76 16 27 0.55 23 48 1.89 29 07 15 -0.29 FRI 13 34 0.71 16 51 0.50
15 05 03 0.37 FRI 11 17 1.69 18 08 0.19	30 05 10 0.08 SAT 11 34 1.68 17 54 0.08 23 48 1.46	15 05 33 0.10 sun 11 39 1.38 17 33 0.43 23 33 1.56	30 05 49 -0.27 MON 12 14 1.14 17 17 0.40 23 30 1.84	15 07 06 -0.04 WED 13 11 0.86 16 52 0.54 23 49 1.81 30 07 21 -0.30 THU 13 48 0.69 16 53 0.49	15 07 52 -0.23 30 00 09 1.83
			31 06 35 -0.30 TUE 13 03 0.98 17 28 0.46 23 57 1.92		31 00 42 1.73 SUN 08 21 -0.07 14 40 0.74 18 15 0.55

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