PORT IRENE, STA. ANA, CAGAYAN

LAT 18° 23'N LONG 122° 06'E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

September	October	November	December
Time Ht. Time Ht.	Time Ht. Time Ht.	Time Ht. Time Ht. h. min. m. h. min. m.	Time Ht. Time Ht. h. min. m. h. min. m.
1 00 00 0.14 FRI 06 13 1.55 12 32 -0.06 18 42 1.42 18 25 1.33	1 00 18 -0.14 SUN 06 32 1.36 12 27 0.09 18 33 1.45 16 00 01 -0.08 MON 06 13 1.16 12 02 0.14 18 04 1.31	1 01 15 -0.22 WED 07 28 0.92 12 51 0.23 19 06 1.14 18 47 1.15	1 01 47 -0.22 FRI 07 58 0.70 13 13 0.20 19 37 0.93 19 47 1.06
2 00 43 0.06 SAT 06 56 1.50 13 06 0.03 12 42 0.16 18 46 1.34	2 00 57 -0.15 MON 07 11 1.24 TUE 06 43 1.11 12 56 0.17 19 04 1.39 TUE 08 130 1.30	2 01 54 -0.13 THU 08 03 0.81 13 17 0.28 19 37 1.04 17 01 40 -0.25 FRI 07 57 0.80 13 15 0.22 19 29 1.09	2 02 27 -0.13 SAT 08 36 0.65 13 47 0.24 20 15 0.86 20 39 0.99
3 01 26 0.03 MON 07 09 1.22 13 04 0.20 19 48 1.41 19 09 1.32	3 01 37 -0.11 18 01 05 -0.15 19 35 1.29 18 58 1.26	3 02 34 -0.02 FRI 08 42 0.71	3 03 09 -0.04 18 03 27 -0.19 19 20 0.61 14 28 0.28 20 58 0.78 15 24 0.19 21 36 0.89
4 02 08 0.05 MON 08 18 1.22 14 07 0.27 20 20 1.34 TUE 07 37 1.16 19 33 1.29	4 02 16 -0.02 WED 08 25 0.94 13 46 0.36 20 04 1.17 19 01 42 -0.12 THU 07 53 0.95 13 23 0.27 19 31 1.19	4 03 21 0.10 SAT 09 30 0.63 14 14 0.41 20 56 0.83 21 9.06 SUN 09 55 0.66 14 59 0.36 21 23 0.91	4 03 58 0.06 MON 10 17 0.59 15 24 0.33 21 56 0.71 19 04 18 -0.08 TUE 10 51 0.71 16 35 0.19 22 45 0.78
5 02 51 0.11 TUE 08 59 1.05 14 33 0.39 20 52 1.23	5	5 04 28 0.21 20 04 36 0.04 8UN 10 54 0.58 MON 11 24 0.66	5 04 59 0.14 TUE 11 31 0.59
6 03 39 0.21 THU 08 48 0.96 14 57 0.50 21 28 1.11 20 31 1.15	6 03 50 0.22 FRI 09 54 0.68	6 06 11 0.26 21 05 57 0.11 TUE 12 47 0.72 18 22 0.52 18 24 0.35	6 06 12 0.19 246 0.63 THU 06 16 0.12 12 51 0.76 19 15 0.09
7 04 39 0.31 ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	7 05 15 0.33 SAT 12 18 0.61 SUN 11 30 0.67 14 41 0.60 23 08 0.81 22 04 36 0.17 SUN 11 30 0.67	7 00 47 0.73 22 00 36 0.82 TUE 07 39 0.25 WED 07 11 0.14 14 15 0.72 13 45 0.81 20 09 0.43 19 45 0.22	7 00 57 0.63 22 01 30 0.64 FRI 07 21 0.17 13 43 0.69 20 00 0.25 20 27 -0.02
8 06 20 0.37 FRI 14 20 0.69 15 50 0.61	8 07 27 0.34 SUN 15 02 0.70 HON 13 39 0.74 18 36 0.54	8 WED 02 12 0.79 08 35 0.22 14 54 0.82 20 58 0.32 23 01 57 0.85 THU 08 09 0.13 14 30 0.92 20 44 0.06	8 02 11 0.65 FRI 08 14 0.20 14 26 0.75 20 51 0.13 21 28 -0.13
9 00 32 0.91 SAT 08 17 0.34 15 49 0.78 20 32 0.68	9 01 52 0.85 MON 08 41 0.28 15 24 0.82 21 01 0.52 20 09 0.40	9 03 05 0.86 THU 09 14 0.18 15 23 0.92 21 34 0.20	9 03 07 0.68 SAT 08 54 0.19 15 01 0.82 21 33 0.01 24 03 56 0.65 SUN 09 19 0.17 15 38 0.90 22 21 -0.22
10 02 30 0.96 SUN 09 21 0.26 16 09 0.88 21 33 0.58 25 01 05 1.00 MON 08 27 0.22 15 15 0.90 20 27 0.56	10 02 59 0.95 TUE 09 25 0.21 15 48 0.93 21 39 0.40 25 02 20 1.03 WED 08 51 0.12 15 11 1.01 21 05 0.22	10 03 45 0.92 25 03 54 0.92 SAT 09 40 0.11 15 49 1.00 22 05 0.08 22 21 -0.21	10 03 51 0.71 sun 09 29 0.17 15 34 0.89 22 11 -0.11 25 04 49 0.68 16 27 0.93 23 08 -0.30
11 03 31 1.06 MON 10 03 0.19 TUE 09 25 0.11 15 51 1.05 22 09 0.48 21 26 0.39	11 03 44 1.05 WED 10 00 0.16 16 12 1.04 22 10 0.30 THU 09 33 0.07 15 45 1.14 21 51 0.04	11 04 19 0.95 SAT 10 12 0.14 16 13 1.07 22 35 -0.04 2 0.93 SUN 10 21 0.10 16 30 1.12 23 04 -0.30	11 04 32 0.74 MON 10 02 0.14 16 09 0.96 22 51 -0.23 26 05 33 0.69 TUE 10 55 0.12 17 12 0.95 23 51 -0.34
12 04 14 1.16 TUE 10 37 0.13 16 54 1.08 22 41 0.39 27 03 36 1.28 WED 10 08 0.03 16 24 1.19 22 12 0.22	12 04 19 1.12 27 04 06 1.20 THU 10 28 0.13 FRI 10 11 0.05 16 35 1.13 16 18 1.25 22 39 0.19 22 34 -0.11	12 04 51 0.97 sun 10 36 0.13 16 38 1.12 23 06 -0.15 27 05 26 0.91 17 09 1.12 23 47 -0.33	12 05 12 0.76 TUE 10 37 0.12 16 46 1.02 23 33 -0.32 27 06 12 0.70 WED 11 36 0.10 17 54 0.96
13 04 49 1.24 28 04 25 1.39 THU 10 46 -0.02 17 18 1.17 23 10 0.31 22 55 0.06	13 04 51 1.16 FRI 10 53 0.12 16 57 1.21 23 06 0.09 28 04 51 10 47 0.05 16 53 1.32 23 15 -0.22	13 05 21 0.98 MON 11 02 0.12 TUE 11 35 0.12 17 05 1.17 23 39 -0.23	13 05 54 0.77 WED 11 15 0.10 17 27 1.07 E1 33 0.99 18 33 0.96
14 05 21 1.28 THU 11 33 0.09 17 41 1.24 23 38 0.24 29 05 09 1.45 FRI 11 21 -0.02 17 28 1.41 23 36 -0.06	14 05 18 1.18 SAT 11 16 0.12 SUN 11 21 0.07 17 18 1.26 23 33 0.00 □ 17 27 1.34 □ 23 56 -0.28 □ 18 18 18 18 18 18 18 18 18 18 18 18 18	14 05 55 0.96 TUE 11 30 0.11	14 00 17 -0.38 THU 06 37 0.77 11 57 0.10 18 12 1.10 29 01 09 -0.33 FRI 07 23 0.70 12 48 0.09 19 09 0.94
15 05 49 1.30 FRI 11 58 0.10 18 03 1.30 SAT 11 54 0.02 18 01 1.45	15 05 45 1.18 sun 11 39 0.13 MON 11 54 0.11 18 01 1.30	15 00 15 -0.29 WED 06 31 0.93 12 02 0.13 18 09 1.19 30 01 08 -0.29 THU 07 22 0.76 12 42 0.16 19 02 0.99	15 01 03 -0.40 FRI 07 23 0.76 12 41 0.11 18 58 1.10 30 01 45 -0.29 SAT 07 55 0.70 13 22 0.10 19 42 0.91
	31 00 36 -0.27 TUE 06 51 1.03 12 24 0.17 18 34 1.23		31 02 18 -0.23 SUN 08 28 0.69 13 57 0.12 20 15 0.87

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