PORT IRENE, STA. ANA, CAGAYAN

LAT 18° 23'N LONG 122° 06'E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

May	June	July	August
Time Ht. Time Ht.	Time Ht. Time Ht. h. min. m. h. min. m.	Time Ht. Time Ht.	Time Ht. Time Ht. h. min. m. h. min. m.
1 03 05 0.86 MON 09 02 0.40 15 14 0.94 21 28 0.25 TUE 09 11 0.19 21 25 0.27	1 03 06 1.09 THU 09 35 0.19 15 55 1.01 21 39 0.36	1 030 7 1.16 SAT 10 00 0.09 16 31 0.99 21 48 0.47 16 04 39 1.18 SUN 11 17 0.05 17 45 1.01 23 10 0.48	1 04 51 1.40 TUE 11 39 -0.10 18 02 1.16 23 29 0.38 1.16 1.18 1.18
2 03 36 0.97 TUE 09 40 0.29 15 54 1.01 21 59 0.22 2 06 0.27	2 03 41 1.17 FRI 10 16 0.06 16 39 1.05 22 15 0.35 17 04 37 1.21 SAT 11 18 -0.02 17 45 1.01 23 08 0.42	2 03 58 1.25	2 05 42 1.49 WED 12 23 -0.14 THU 06 18 1.31 12 36 0.07 18 42 1.23
3 04 02 1.07 WED 10 13 0.17 16 30 1.07 22 27 0.20 18 04 14 1.23 THU 10 42 -0.04 17 04 1.10 22 45 0.27	3 04 18 1.25 sAT 10 59 -0.06 17 23 1.07 22 52 0.34 18 05 20 1.21 sun 11 58 -0.04 18 23 1.01 23 46 0.42	3 04 51 1.33 MON 11 43 -0.11 ○ 18 11 1.07 23 30 0.42 18 06 00 1.24 TUE 12 30 0.02 ■ 18 48 1.07	3 00 18 0.31 THU 06 30 1.53 13 04 -0.12 19 21 1.28 18 00 35 0.33 FRI 06 46 1.31 19 10 1.25
4 04 28 1.15 19 04 51 1.26 THU 10 46 0.04 FRI 11 24 -0.11 17 46 1.08 22 54 0.19 23 21 0.29	4 04 58 1.31 SUN 11 44 -0.14 18 08 1.07 23 33 0.34 19 06 00 1.20 MON 12 37 -0.03 18 58 1.00	4 05 42 1.40 TUE 12 33 -0.15 18 58 1.10	4 01 05 0.25 FRI 07 17 1.50 13 43 -0.04 19 58 1.31 19 01 03 0.30 SAT 07 13 1.28 13 26 0.16 19 34 1.26
5 04 55 1.23 FRI 11 21 -0.07 17 38 1.12 23 24 0.18 20 05 28 1.26 SAT 12 04 -0.13 18 25 1.05 23 54 0.31	5 MON 12 31 -0.18 18 56 1.05 20 00 21 0.43 TUE 06 36 1.18 13 15 0.00 19 32 0.99	5 00 21 0.39 20 00 54 0.42 THU 07 07 1.24 13 21 -0.14 19 45 1.12 13 34 0.08	5 01 51 0.22 20 01 32 0.28 SUN 07 40 1.23 13 49 0.22 20 35 1.31 19 57 1.25
6 05 25 1.28 SAT 11 57 -0.17 18 15 1.11 23 55 0.19 21 06 04 1.23 SUN 12 42 -0.12 19 02 1.00	6 TUE 00 17 0.35 13 21 -0.16 19 45 1.01 21 00 55 0.44 WED 07 12 1.16 13 51 0.05 20 06 0.98	6 01 12 0.38 THU 07 26 1.41	6 02 39 0.22 21 02 0.27 MON 08 48 1.27 14 55 0.22 21 12 1.27 20 21 1.22
7 05 59 1.31 80N 12 36 -0.21 18 55 1.07 20 00 27 0.34 13 20 -0.07 19 36 0.95	7 01 04 0.38 WED 07 18 1.32 14 12 -0.10 20 37 0.98 20 42 0.97	7 02 05 0.37 FRI 08 17 1.35 14 52 0.03 21 15 1.13 20 45 1.11	7 03 28 0.25 22 02 35 0.27 TUE 08 39 1.10 1.5 29 0.36 21 51 1.21 22 02 47 1.18
8 00 29 0.22 23 00 57 0.37 MON 06 35 1.31 TUE 07 12 1.13 13 20 -0.21 13 57 0.00 19 38 1.01 20 12 0.89	8 01 56 0.42 THU 23 02 06 0.47 FRI 08 24 1.09 15 03 0.20 21 23 0.20 21 20 0.96	8 02 59 0.38 23 0.42 23 02 33 0.42 24 15 36 0.16 22 00 1.13 23 02 33 0.42 24 15 1.10	8 04 24 0.30 TUE 10 31 0.95
9 01 06 0.27 TUE 07 15 1.27 14 06 -0.15 20 25 0.92 24 01 27 0.40 WED 07 48 1.07 14 36 0.08 20 49 0.85	9 02 54 0.46 FRI 09 09 1.17 15 58 0.12 22 33 0.95 24 02 48 0.50 SAT 09 03 1.04 15 42 0.28 22 03 0.95	9 03 57 0.38 24 03 10 0.43 80	9 05 34 0.35 24 04 00 0.31 WED 11 51 0.81 16 51 0.61 23 42 1.05 24 04 00 0.31 THU 10 09 0.89 ○ 15 40 0.53 ○ 22 02 1.06
10 01 45 0.34 WED 08 00 1.20 14 58 -0.04 21 21 0.84 21 35 0.82	10 04 04 0.48 SAT 10 17 1.08 16 57 0.23 23 35 0.97 22 51 0.95	10 05 03 0.39 MON 11 10 0.99 TUE 10 00 0.98 16 04 0.45 22 26 1.04	10 07 07 0.36 THU 14 06 0.77 18 25 0.68
11 02 33 0.42 THU 08 53 1.11 15 59 0.08 22 33 0.78 26 02 45 0.49 FRI 09 12 0.95 16 12 0.27 22 36 0.80	11 05 25 0.47 sun 11 35 1.00	11 06 16 0.37 TUE 12 30 0.90 18 07 0.52	11 01 18 1.01 FRI 08 39 0.31 15 45 0.83 20 33 0.66 26 06 58 0.35 SAT 14 13 0.80 18 33 0.68
12 03 38 0.49 FRI 10 03 1.02 SAT 10 16 0.90 17 14 0.19 37 17 18 0.35 23 52 0.81 2	12 00 35 1.01 MON 06 45 0.41 TUE 12 04 0.89 18 12 0.49	12 00 42 1.09 WED 07 34 0.33 14 03 0.86 19 19 0.57 27 06 00 0.41 THU 12 25 0.85 17 52 0.59	12 02 46 1.04 SAT 09 42 0.23 16 29 0.90 21 43 0.59 27 01 12 1.04 SUN 08 43 0.25 15 36 0.90 20 30 0.63
13 00 05 0.79 SAT 05 19 0.52 SUN 11 47 0.87 11 41 0.96 18 36 0.25	TUE 07 55 0.31 14 13 0.95 19 59 0.43 28 00 36 0.98 WED 07 03 0.44 13 21 0.89 19 12 0.51	13 01 48 1.09 THU 08 46 0.25 15 27 0.88 20 33 0.58 28 00 20 1.02 FRI 07 27 0.35 14 11 0.85 19 15 0.62	13 03 48 1.11 28 02 47 1.16 SUN 10 27 0.15 17 00 0.98 22 27 0.52 21 39 0.51
14 01 21 0.87 sun 07 03 0.46 13 17 0.97 13 14 0.88 19 36 0.40	14 02 19 1.12 29 01 27 1.02 29 01 27 1.02 29 01 27 0.34 14 33 0.91 20 53 0.44	14 02 53 1.11 29 01 37 1.07 FRI 09 45 0.17 16 25 0.92 21 37 0.55 20 35 0.60	14 04 34 1.19 MON 11 05 0.09 17 28 1.05 23 03 0.46 29 03 51 1.32 TUE 10 36 0.00 16 58 1.15 22 30 0.38
15 02 14 0.97 MON 08 15 0.33 TUE 08 06 0.44 14 30 1.02 20 40 0.27 20 24 0.40	15 03 07 1.16 THU 09 47 0.11 16 15 0.98 21 42 0.44 30 02 17 1.08 FRI 09 05 0.22 15 36 0.95 20 59 0.50	15 03 50 1.14 30 02 51 1.16 SUN 09 56 0.12 16 33 0.99 21 42 0.54	15 05 12 1.25 TUE 11 38 0.06 17 55 1.12 23 36 0.41 30 04 42 1.45 WED 11 18 -0.07 17 33 1.27 23 16 0.25
31 02 33 1.01 WED 08 53 0.32 15 11 0.97 21 03 0.38		31 03 55 1.28 MON 10 50 -0.01 17 19 1.07 22 38 0.46	31 05 29 1.54 THU 11 56 -0.09 18 08 1.36
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