

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.	
h. min.	m.		h. min.	m.		h. min.	m.		h. min.	m.	
1 FRI	00 00 0.14 06 13 1.55 12 32 -0.06 18 42 1.42		16 SAT	00 05 0.18 06 16 1.29 12 21 0.13 18 25 1.33		1 WED	01 15 -0.22 07 28 0.92 12 51 0.23 19 06 1.14		1 FRI	01 47 -0.22 07 58 0.70 13 13 0.20 19 37 0.93	
2 SAT	00 43 0.06 06 56 1.50 13 06 0.03 19 15 1.44		17 SUN	00 32 0.13 06 42 1.27 12 42 0.16 18 46 1.34		2 THU	01 54 -0.13 08 03 0.81 13 17 0.28 19 37 1.04		2 SAT	02 27 -0.13 08 36 0.65 13 47 0.24 20 15 0.86	
3 SUN	01 26 0.03 07 37 1.38 13 38 0.14 19 48 1.41		18 MON	01 00 0.08 07 09 1.22 13 04 0.20 19 09 1.32		3 FRI	02 34 -0.02 08 42 0.71 13 43 0.34 20 12 0.93		3 SUN	03 09 -0.04 09 20 0.61 14 28 0.28 20 58 0.78	
4 MON	02 08 0.05 08 18 1.22 14 07 0.27 20 20 1.34		19 TUE	01 30 0.06 07 37 1.16 13 27 0.25 19 33 1.29		4 SAT	03 21 0.10 09 30 0.63 14 14 0.41 20 56 0.83		4 MON	03 58 0.06 10 17 0.59 15 24 0.33 21 56 0.71	
5 TUE	02 51 0.11 08 59 1.05 14 33 0.39 20 52 1.23		20 WED	02 03 0.06 08 09 1.07 13 53 0.32 19 59 1.23		5 SUN	04 28 0.21 10 54 0.58 15 06 0.49 22 19 0.74		5 TUE	04 59 0.14 11 31 0.59 16 54 0.36 23 21 0.65	
6 WED	03 39 0.21 09 44 0.88 14 57 0.50 21 28 1.11		21 THU	02 41 0.11 08 48 0.96 14 21 0.40 20 31 1.15		6 MON	06 11 0.26 13 09 0.62 18 22 0.52		6 WED	06 12 0.19 12 46 0.63 18 45 0.33	
7 THU	04 39 0.31 10 49 0.74 15 16 0.60 22 21 0.98		22 FRI	03 30 0.18 09 40 0.83 14 54 0.50 21 15 1.07		7 TUE	00 47 0.73 07 39 0.25 14 15 0.72 20 09 0.43		7 THU	00 57 0.63 07 21 0.21 13 43 0.69 20 00 0.25	
8 FRI	06 20 0.37 14 20 0.69 15 39 0.69		23 SAT	04 42 0.27 11 19 0.73 15 50 0.61 22 39 0.99		8 WED	02 12 0.79 08 35 0.22 14 54 0.82 20 58 0.32		8 FRI	02 11 0.65 08 14 0.20 14 26 0.75 20 51 0.13	
9 SAT	00 32 0.91 08 17 0.34 15 49 0.78 20 32 0.68		24 SUN	06 42 0.31 14 14 0.77 18 27 0.66		9 THU	03 05 0.86 09 14 0.18 15 23 0.92 21 34 0.20		9 SAT	03 07 0.68 08 54 0.19 15 01 0.82 21 33 0.01	
10 SUN	02 30 0.96 09 21 0.26 16 09 0.88 21 33 0.58		25 MON	01 05 1.00 08 27 0.22 15 15 0.90 21 30 0.56		10 FRI	03 45 0.92 09 45 0.16 15 49 1.00 22 05 0.08		10 SUN	03 51 0.71 09 29 0.17 15 34 0.89 22 11 -0.11	
11 MON	03 31 1.06 10 03 0.19 16 31 0.98 22 09 0.48		26 TUE	02 37 1.14 09 25 0.11 15 51 1.05 21 26 0.39		11 SAT	04 19 0.95 10 12 0.14 16 13 1.07 22 35 -0.04		11 MON	04 32 0.74 10 02 0.14 16 09 0.96 22 51 -0.23	
12 TUE	04 14 1.16 10 37 0.13 16 54 1.08 22 41 0.39		27 WED	03 36 1.28 10 08 0.03 16 24 1.19 22 12 0.22		12 SUN	04 51 0.97 10 36 0.13 16 38 1.12 23 06 -0.15		12 TUE	05 12 0.76 10 37 0.12 16 46 1.02 23 33 -0.32	
13 WED	04 49 1.24 11 07 0.09 17 18 1.17 23 10 0.31		28 THU	04 25 1.39 10 46 -0.02 16 56 1.31 22 55 0.06		13 MON	05 21 0.98 11 02 0.12 17 05 1.17 23 39 -0.23		13 WED	05 54 0.77 11 15 0.10 17 27 1.07	
14 THU	05 21 1.28 11 33 0.09 17 41 1.24 23 38 0.24		29 FRI	05 09 1.45 11 21 -0.02 17 28 1.41 23 36 -0.06		14 TUE	05 55 0.96 11 30 0.11 17 36 1.19		14 THU	00 17 -0.38 06 37 0.77 11 57 0.10 18 12 1.10	
15 FRI	05 49 1.30 11 58 0.10 18 03 1.30		30 SAT	05 51 1.44 11 54 0.02 18 01 1.45		15 WED	00 15 -0.29 06 31 0.93 12 02 0.13 18 09 1.19		15 FRI	01 03 -0.40 07 23 0.76 12 41 0.11 18 58 1.10	
			31 SUN	05 45 1.18 11 39 0.13 17 40 1.30		31 TUE	00 36 -0.27 06 51 1.03 12 24 0.17 18 34 1.23		31 SUN	01 45 -0.29 07 55 0.70 13 22 0.10 19 42 0.91	

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