

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.		h. min.		m.		h. min.		m.	
1	03 05	0.86		16	02 57	1.08		1	03 07	1.16		1	04 51	1.40	
MON	09 02	0.40		TUE	09 11	0.19		16	10 00	0.09		TUE	11 39	-0.10	
	15 14	0.94			15 29	1.06		SAT	16 31	0.99			18 02	1.16	
	21 28	0.25			21 25	0.27			21 48	0.47			23 29	0.38	
2	03 36	0.97		17	03 36	1.17		2	03 58	1.25		2	05 42	1.49	
TUE	09 40	0.29		WED	09 58	0.06		SUN	10 52	-0.02		WED	12 23	-0.14	
	15 54	1.01			16 19	1.09		MON	17 22	1.04			18 42	1.23	
	21 59	0.22			22 06	0.27			22 39	0.44					
3	04 02	1.07		18	04 14	1.23		3	04 51	1.33		3	00 18	0.31	
WED	10 13	0.17		THU	10 42	-0.04		MON	11 43	-0.11		THU	06 30	1.53	
	16 30	1.07			17 04	1.10		TUE	18 11	1.07			13 04	-0.12	
	22 27	0.20			22 45	0.27			23 30	0.42			19 21	1.28	
4	04 28	1.15		19	04 51	1.26		4	05 42	1.40		4	01 05	0.25	
THU	10 46	0.04		FRI	11 24	-0.11		TUE	12 33	-0.15		FRI	07 17	1.50	
	17 03	1.11			17 46	1.08			18 58	1.10			13 43	-0.04	
	22 54	0.19			23 21	0.29							19 58	1.31	
5	04 55	1.23		20	05 28	1.26		5	00 21	0.39		5	01 51	0.22	
FRI	11 21	-0.07		SAT	12 04	-0.13		WED	06 34	1.43		SAT	08 03	1.41	
	17 38	1.12			18 25	1.05			13 21	-0.14			14 20	0.08	
	23 24	0.18			23 54	0.31			19 45	1.12			20 35	1.31	
6	05 25	1.28		21	06 04	1.23		6	01 12	0.38		6	02 39	0.22	
SAT	11 57	-0.17		SUN	12 42	-0.12		THU	07 26	1.41		SUN	08 48	1.27	
	18 15	1.11			19 02	1.00			14 07	-0.08			14 55	0.22	
	23 55	0.19							20 30	1.13			21 12	1.27	
7	05 59	1.31		22	00 27	0.34		7	02 05	0.37		7	03 28	0.25	
SUN	12 36	-0.21		MON	06 39	1.18		FRI	08 17	1.35		MON	09 36	1.11	
	18 55	1.07			13 20	-0.07			14 52	0.03			15 29	0.36	
					19 36	0.95			21 15	1.13			21 51	1.21	
8	00 29	0.22		23	00 57	0.37		8	02 59	0.38		8	04 24	0.30	
MON	06 35	1.31		TUE	07 12	1.13		SAT	09 09	1.25		TUE	10 31	0.95	
	13 20	-0.21			13 57	0.00			15 36	0.16			16 04	0.50	
	19 38	1.01			20 12	0.89			22 00	1.13			22 38	1.13	
9	01 06	0.27		24	01 27	0.40		9	03 57	0.38		9	05 34	0.35	
TUE	07 15	1.27		WED	07 48	1.07		SUN	10 06	1.12		WED	11 51	0.81	
	14 06	-0.15			14 36	0.08			16 20	0.30			16 51	0.61	
	20 25	0.92			20 49	0.85			22 48	1.11			23 42	1.05	
10	01 45	0.34		25	02 02	0.44		10	05 03	0.39		10	07 07	0.36	
WED	08 00	1.20		THU	08 25	1.01		MON	11 10	0.99		THU	14 06	0.77	
	14 58	-0.04			15 20	0.18			17 09	0.42			18 25	0.68	
	21 21	0.84			21 35	0.82			23 42	1.10					
11	02 33	0.42		26	02 45	0.49		11	06 16	0.37		11	01 18	1.01	
THU	08 53	1.11		FRI	09 12	0.95		TUE	12 30	0.90		FRI	08 39	0.31	
	15 59	0.08			16 12	0.27			18 07	0.52			15 45	0.83	
	22 33	0.78			22 36	0.80							20 33	0.66	
12	03 38	0.49		27	03 45	0.54		12	00 42	1.09		12	02 46	1.04	
FRI	10 03	1.02		SAT	10 16	0.90		WED	07 34	0.33		SAT	09 42	0.23	
	17 14	0.19			17 18	0.35			14 03	0.86			16 29	0.90	
					23 52	0.81			19 19	0.57			21 43	0.59	
13	00 05	0.79		28	05 19	0.57		13	01 48	1.09		13	03 48	1.11	
SAT	05 19	0.52		SUN	11 47	0.87		THU	08 46	0.25		SUN	10 27	0.15	
	11 41	0.96			18 33	0.39			15 27	0.88			17 00	0.98	
	18 36	0.25							20 33	0.58			22 27	0.52	
14	01 21	0.87		29	01 03	0.86		14	02 53	1.11		14	04 34	1.19	
SUN	07 03	0.46		MON	07 00	0.53		FRI	09 45	0.17		MON	11 05	0.09	
	13 17	0.97			13 14	0.88			16 25	0.92			17 28	1.05	
	19 46	0.27			19 36	0.40			21 37	0.55			23 03	0.46	
15	02 14	0.97		30	01 54	0.93		15	03 50	1.14		15	05 12	1.25	
MON	08 15	0.33		TUE	08 06	0.44		SAT	10 34	0.10		TUE	11 38	0.06	
	14 30	1.02			16 19	0.92			17 09	0.96			17 55	1.12	
	20 40	0.27			20 24	0.40			22 28	0.51			23 36	0.41	
				31	02 33	1.01		31	03 55	1.28		31	05 29	1.54	
				WED	08 53	0.32		MON	10 50	-0.01		THU	11 56	-0.09	
					15 11	0.97			17 19	1.07			18 08	1.36	
					21 03	0.38			22 38	0.46					

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