JOSE PANGANIBAN, CAMARINES NORTE

LAT 14° 19'N LONG 122° 40'E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

January	February	March	April
Time Ht. Time Ht. h. min. m. h. min. m.	Time Ht. Time Ht.	Time Ht. Time Ht.	Time Ht. Time Ht.
1 01 27 0.95 SUN 07 11 0.33 13 42 1.21 20 25 0.07 19 02 0.14	1 03 59 0.92 16 03 07 0.94 WED 09 09 0.47 THU 08 08 0.52	1 02 25 0.84 WED 07 14 0.63 13 34 1.01 20 40 0.18 19 43 0.13	1 03 48 1.15 SAT 09 29 0.54 15 28 1.25 21 51 0.17 16 03 21 1.38 SUN 09 04 0.44 15 06 1.50 21 33 0.05
2 02 54 0.97 MON 08 22 0.37 TUE 07 06 0.33 14 41 1.25 21 24 -0.04 20 21 0.00	2 04 46 1.02 THU 10 05 0.40 FRI 09 27 0.42 15 25 1.38 22 17 -0.29	2 03 45 0.94 THU 08 58 0.57 15 01 1.09 21 42 0.09 17 03 00 1.05 FRI 08 06 0.62 14 05 1.26 21 06 0.00	2 04 20 1.27 17 04 01 1.54 20 16 11 1.38 22 27 0.09 17 16 03 1.64 22 18 0.00
3 04 00 1.03 18 03 09 0.90 15 32 1.29 22 12 -0.14 21 27 -0.18	3 05 22 1.10 FRI 10 47 0.32 16 48 1.31 23 21 -0.23 1 18 05 00 1.26 SAT 10 24 0.27 16 24 1.56 23 06 -0.44	3 04 28 1.06 18 03 56 1.23 SAT 09 21 0.46 15 56 1.22 22 27 -0.02 SAT 09 21 0.46 22 02 -0.15	3 04 46 1.39 MON 10 42 0.27 16 47 1.50 22 57 0.04 18 04 37 1.69 TUE 10 40 0.03 16 51 1.73 22 57 -0.01
4 04 50 1.10 WED 10 12 0.34 16 15 1.34 22 54 -0.23 19 04 15 1.0 THU 09 32 0.3 15 30 1.4 22 23 -0.3	1/ 23 1.40 1/ 15 1./1	4 05 00 1.17 SAT 10 36 0.34 16 36 1.35 23 01 -0.11 19 04 37 1.40 SUN 10 15 0.26 16 17 1.62 22 47 -0.26	TUE 11 12 0.14 WED 11 21 -0.13 17 19 1.58 23 26 0.01 WED 23 33 0.02
5	5 06 18 1.23 20 06 17 1.51 MON 11 57 -0.04 18 01 1.79	5 05 27 1.27 20 05 13 1.56 27 10 1.45 23 32 -0.17 23 27 -0.31	5 05 33 1.58 WED 11 40 0.03 17 51 1.63 23 53 0.01 20 05 44 1.85 THU 12 00 -0.23 18 17 1.74
6 06 03 1.19 FRI 11 29 0.27 17 27 1.42 21 05 53 1.37 SAT 11 19 0.1 17 18 1.60	6 00 23 -0.33 MON 06 44 1.28 TUE 06 52 1.59 12 25 0.11 12 40 -0.15 18 45 1.79	6 05 51 1.35 21 05 47 1.68 TUE 11 42 -0.11 17 42 1.53 TUE 11 42 -0.11 17 50 1.82	6 05 57 1.65 THU 12 09 -0.07 18 23 1.64 21 00 09 0.09 FRI 06 15 1.85 12 39 -0.26 18 57 1.66
7 00 04 -0.33 SAT 06 33 1.21 ○ 12 02 0.23 18 00 1.44	12 55 0.07 13 22 -0.21	7 00 00 -0.20 TUE 06 14 1.43 ○ 12 07 0.05 18 12 1.57 22 00 03 -0.29 WED 06 20 1.76 ○ 12 22 -0.23 ○ 18 33 1.80	7 00 21 0.03 FRI 06 22 1.70 12 39 -0.14 18 56 1.62 22 00 42 0.19 SAT 06 47 1.80 13 16 -0.23 19 37 1.54
8 00 36 -0.35 23 00 45 -0.67 sun 07 03 1.21 40 12 35 0.21 12 52 0.00 18 54 1.73		8 00 27 -0.21 WED 06 37 1.49 12 36 -0.02 18 42 1.58 12 36 -0.10 12 36 -0.10 13 02 -0.29 19 14 1.71	8 00 51 0.08 SAT 06 50 1.72 13 12 -0.18 19 31 1.56 23 01 16 0.31 SUN 07 17 1.71 13 53 -0.14 20 16 1.41
9 01 08 -0.34 24 01 27 -0.57 MON 07 33 1.22 13 08 0.20 19 05 1.42 19 40 1.60	9 01 48 -0.25 THU 08 02 1.36 13 58 0.03 20 00 1.38 20 56 1.37	9 00 53 -0.18 THU 07 01 1.53 FRI 07 23 1.74 13 05 -0.07 19 13 1.55 FRI 07 23 1.57	9 01 21 0.17 SUN 07 19 1.69 13 46 -0.17 20 09 1.46
10 01 39 -0.30 TUE 08 03 1.21 13 42 0.19 19 39 1.38 25 02 07 -0.44 WED 08 36 1.44 14 24 -0.03 20 27 1.52	10 02 16 -0.17 FRI 08 30 1.35 14 31 0.03 20 36 1.29 25 02 51 0.02 SAT 09 09 1.44 15 32 -0.07 21 42 1.17	10 01 20 -0.13 FRI 07 26 1.55 SAT 07 54 1.66 14 19 -0.19 20 36 1.40	10 01 55 0.28 MON 07 51 1.63 14 25 -0.11 20 54 1.34 25 02 24 0.53 TUE 08 21 1.46 15 13 0.12 21 46 1.17
11 02 11 -0.24 WED 08 34 1.21 14 17 0.21 20 14 1.30 26 02 47 -0.21 THU 09 15 1.33 15 12 -0.00 21 16 1.34	11 02 46 -0.06 SAT 09 00 1.33 15 09 0.04 21 15 1.17 26 03 27 0.22 SUN 09 45 1.31 16 23 0.06 22 39 0.97	11 01 48 -0.04 SAT 07 53 1.54 14 07 -0.11 20 20 1.39 26 02 18 0.23 SUN 08 24 1.54 15 00 -0.07 21 18 1.22	11 02 32 0.41 TUE 08 29 1.54 15 12 0.00 21 51 1.20 26 03 05 0.64 WED 09 01 1.33 16 05 0.26 22 54 1.08
12 02 44 -0.16 27 03 27 -0.11 THU 09 08 1.20 FRI 09 56 1.33 14 56 0.22 16 05 0.03 20 53 1.20 22 09 1.14	SUN 09 33 1.29 MON 10 27 1.17 15 53 0.07 5 17 31 0.17	12 02 18 0.07 sun 08 22 1.50 ho 08 57 1.39 15 45 0.08 22 10 1.27	12 03 18 0.55 WED 09 15 1.43 16 14 0.13 23 18 1.09 27 04 01 0.73 THU 09 58 1.21 17 17 0.37
13 03 18 -0.05	13 03 59 0.22 28 00 10 0.84 TUE 05 10 0.56 11 0.51 23 12 0.91 28 00 10 0.84 1 136 1.05 19 08 0.23	13 02 51 0.22 MON 08 55 1.43 15 27 -0.01 21 48 1.12 22 10 1.06 28 03 30 0.54 TUE 09 35 1.24 16 43 0.23 23 32 0.94 14 03 30 0.38 29 04 28 0.68	13 04 25 0.68 THU 10 23 1.31
14 03 57 0.06 SAT 10 24 1.16 16 33 0.24 22 34 0.98 29 04 58 0.29 SUN 11 33 1.10 18 24 0.14	14 04 54 0.38 TUE 11 09 1.17 18 15 0.12	14 03 30 0.38 TUE 09 35 1.34 WED 10 34 1.10 18 13 0.33 0.98	14 01 10 1.10 FRI 06 15 0.73 12 13 1.26 19 25 0.22 29 01 48 1.12 SAT 07 29 0.73 13 27 1.15 20 02 0.40
15 04 45 0.19 30 00 49 0.8; SUN 11 12 1.15 MON 06 09 0.4; 17 41 0.22 12 45 1.0; 23 51 0.89 19 51 0.1;		15 04 26 0.54 WED 10 32 1.24	15 02 29 1.22 30 02 43 1.22 SUN 08 40 0.61 14 40 1.25 20 39 0.14
31 02 43 0.8 TUE 07 47 0.5 14 09 1.0 21 06 0.0		31 03 03 1.03 FRI 08 29 0.67 14 28 1.11 21 04 0.26	
TIME MERIDIAN 120 DEG. EAST, 0000 IS MIDNIGHT, 1200 IS NOON			

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HEIGHTS ARE IN METERS AND RECKONED FROM THE DATUM OF SOUNDINGS ON CHARTS OF THE LOCALITY WHICH IS MEAN LOWER LOW WATER