## **MARIVELES, BATAAN**

LAT 14° 26'N LONG 120° 30'E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

September		Octo	ober	November	December
Time Ht.	Time Ht.	Time Ht.	Time Ht.	Time Ht. Time Ht.	Time Ht. Time Ht.
1 00 11 0.37 FRI 02 24 0.35 10 31 1.27 18 26 0.07	h. min. m. <b>16</b> 03 30 0.34 <b>SAT</b> 10 42 0.94 17 43 0.26 23 15 0.56	1 04 48 0.15 SUN 11 27 0.80 17 16 0.36 23 09 0.82	h. min. m. <b>16</b> 05 09 0.11 MON 11 27 0.57 16 03 0.38 22 30 0.87	h. min. m. 1 07 31 -0.16 WED 23 27 1.12 h. min. m. 16 07 18 -0.25 THU 22 56 1.18	h. min. m. 1 08 25 -0.24 FRI 23 43 1.09  h. min. m. 16 08 14 -0.31 SAT 23 39 1.21
2 00 03 0.45 SAT 04 00 0.32 11 24 1.14 18 48 0.20	17 04 32 0.30 SUN 11 20 0.85 17 48 0.32 23 29 0.65	<b>2</b> 06 00 0.09 <b>MON</b> 12 27 0.62 17 10 0.42 23 36 0.94	<b>17</b> 06 06 0.04 <b>TUE</b> 12 25 0.46 15 49 0.39 22 54 0.96	2 O8 37 -0.16 7 O8 16 -0.27 FRI 23 39 1.18	2 SAT 09 18 -0.20 17 09 08 -0.3
3 00 16 0.57 SUN 05 21 0.29 12 15 0.95 19 00 0.32	18 05 33 0.26 MON 12 00 0.73 17 49 0.37 23 48 0.75	<b>3</b> 07 15 0.05 <b>TUE</b> 13 56 0.44 16 24 0.42	18 07 04 -0.03 WED 23 24 1.04	3 00 03 1.10 18 09 21 -0.27 SAT	3 00 23 1.03 18 00 31 1.11 MON 10 00 -0.23
<b>4</b> 00 40 0.70 <b>MON</b> 06 43 0.27 13 09 0.74 19 00 0.40	<b>19</b> 06 38 0.22 TUE 12 46 0.59 17 43 0.40	4 00 09 1.02 WED 08 36 0.02	<b>19</b> 08 08 -0.08 THU 23 59 1.09	4 00 43 1.06 SAT 11 03 -0.12 SUN 10 29 -0.24	4 01 04 0.94 19 01 27 1.00 TUE 10 45 -0.13
<b>5</b> 01 11 0.82 <b>TUE</b> 08 15 0.25 14 18 0.53 18 33 0.44	<b>20</b> 00 12 0.85 <b>WED</b> 07 49 0.18 13 50 0.45 17 18 0.40	<b>5</b> 00 45 1.05 <b>THU</b> 10 12 0.00	<b>20</b> 09 21 -0.11	5 01 31 0.99 20 01 25 1.08 MON 11 33 -0.20	5 01 49 0.84 WED 11 21 -0.0
6 01 47 0.92 WED 10 12 0.21	<b>21</b> 00 43 0.93 THU 09 12 0.13	6 01 26 1.05 FRI 11 58 -0.03	<b>21</b> 00 42 1.11 <b>SAT</b> 10 46 -0.14	6 02 30 0.91 21 02 37 0.98 TUE 12 24 -0.13	6 02 42 0.73 HU 11 43 0.10 18 47 0.55
7 02 30 0.99 THU 12 42 0.13	<b>22</b> 01 21 1.00 FRI 10 58 0.07	<b>7</b> 02 17 1.02 <b>SAT</b> 13 18 -0.05	<b>22</b> 01 36 1.10 sun 12 08 -0.16	7 03 42 0.83 22 04 03 0.86 WED 13 01 -0.03	7 03 53 0.61 22 00 38 0.34 THU 12 20 0.11 FRI 05 36 0.44 11 54 0.21 18 54 0.6
<b>8</b> 03 23 1.02 <b>FRI</b> 14 14 0.04	<b>23</b> 02 11 1.06 <b>SAT</b> 12 42 -0.02	<b>8</b> 03 23 0.98 <b>sun</b> 14 08 -0.06	<b>23</b> 02 48 1.07 <b>MON</b> 13 11 -0.16	8 WED     05 03 0.76 13 54 0.06 23 09 0.49 23 30 0.49     23 05 37 0.74 THU 13 27 0.08 20 09 0.54	8     01     19     0.42     23     02     30     0.11       FRI     05     36     0.49     SAT     08     00     0.33       12     28     0.18     11     44     0.22       19     43     0.58     19     18     0.83
<b>9</b> 04 25 1.03 <b>SAT</b> 15 04 -0.02	<b>24</b> 03 16 1.09 <b>SUN</b> 13 51 -0.10	<b>9</b> 04 41 0.94 <b>MON</b> 14 43 -0.03	<b>24</b> 04 17 1.02 TUE 13 58 -0.12	9 06 25 0.69 THU 14 09 0.13 FRI 07 13 0.62 13 42 0.19 20 09 0.67	9 02 40 0.27 SAT 07 30 0.39 12 29 0.25 19 40 0.70
10 05 33 1.04 SUN 15 42 -0.04	<b>25</b> 04 36 1.12 MON 14 42 -0.14	<b>10</b> 05 58 0.91 TUE 15 11 0.01	<b>25</b> 05 48 0.98 WED 14 33 -0.05 22 21 0.45 23 40 0.45	10     01     54     0.39       FRI     07     41     0.62       14     18     0.20       20     50     0.59    25  02  47  0.17  SAT  08  45  0.50  13  48  0.28  20  25  0.82	10 03 31 0.10
<b>11</b> 06 40 1.05 <b>MON</b> 16 12 -0.03	<b>26</b> 06 00 1.14 TUE 15 25 -0.13	11 07 07 0.89 WED 15 33 0.07 23 12 0.45	<b>26</b> 07 12 0.92 THU 15 00 0.05 21 17 0.51	11 02 59 0.26   26 03 54 0.01	11 04 15 -0.05 MON 20 15 0.96 TUE 21 00 1.1
12 07 41 1.06 TUE 16 39 0.00	<b>27</b> 07 19 1.16 <b>WED</b> 16 00 -0.08	<b>12</b> 00 33 0.45 <b>THU</b> 08 08 0.86 15 48 0.13 22 08 0.48	<b>27</b> 01 51 0.33 <b>FRI</b> 08 28 0.84 15 19 0.17 21 16 0.63	<b>12</b> 03 53 0.13 sun 09 55 0.48 h 21 20 1.07	TUE 20 46 1.08
13 08 34 1.07 WED 17 02 0.05	<b>28</b> 08 30 1.14 THU 16 30 0.01 22 31 0.44	13 02 14 0.37 FRI 09 00 0.82 15 59 0.21 21 55 0.55	28 03 09 0.19 SAT 09 36 0.73 15 30 0.28 21 31 0.77	13 04 43 0.00 MON 11 03 0.41 ■ 14 10 0.35 21 21 0.94  28 05 50 -0.22 TUE 21 52 1.13	13 05 44 -0.30 WED 21 23 1.17 THU 22 19 1.13
14 09 20 1.05 THU 17 20 0.12 23 21 0.42	<b>29</b> 02 15 0.33 <b>FRI</b> 09 33 1.08 16 54 0.13 22 31 0.55	<b>14</b> 03 17 0.29 <b>SAT</b> 09 49 0.76 16 04 0.28 21 58 0.65	<b>29</b> 04 18 0.06 <b>SUN</b> 10 43 0.60 0.36 0.36 21 54 0.91	14 05 33 -0.11	14 06 31 -0.36 THU 22 05 1.23 FRI 22 59 1.10
15 02 21 0.37 FRI 10 02 1.01 17 33 0.19 23 09 0.48	<b>30</b> 03 36 0.24 <b>SAT</b> 10 30 0.96 17 10 0.26 22 46 0.68	15 04 14 0.20 sun 10 37 0.67 16 06 0.34 22 10 0.76	<b>30</b> 05 23 -0.05 <b>MON</b> 11 58 0.47 15 17 0.40 22 22 1.03	15 06 24 -0.20   30 07 34 -0.27   THU 23 04 1.14	15 07 21 -0.38 SAT 23 37 1.09
			<b>31</b> 06 27 -0.12 TUE 22 53 1.10		31 08 41 -0.1°

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