## **MARIVELES, BATAAN**

LAT 14° 26'N LONG 120° 30'E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

January		February		March		April	
Time Ht.	Time Ht.	Time Ht.	Time Ht.	Time Ht.	Time Ht.	Time Ht.	Time Ht.
h. min. m. 1 00 50 0.35 SUN 05 08 0.41 11 24 0.21 18 44 0.64	h. min. m. <b>16</b> 03 33 0.37 <b>MON</b> 09 45 0.20 17 16 0.60	h. min. m. <b>1</b> 03 55 -0.12 <b>WED</b> 18 52 0.86	h. min. m. <b>16</b> 02 48 -0.19 <b>THU</b> 17 46 0.94	h. min. m. 1 02 42 -0.11 WED 16 50 0.78	h. min. m. 01 13 -0.19 1 15 47 0.91	h. min. m. 1 02 56 -0.16 SAT 18 18 0.76	h. min. m. <b>16</b> 02 27 -0.21 <b>SUN</b> 18 31 0.88
<b>2</b> 02 49 0.18 MON 08 06 0.28 10 54 0.26 19 06 0.76	<b>17</b> 01 59 0.16 TUE 06 59 0.24 09 00 0.23 17 48 0.75	<b>2</b> 04 29 -0.20 THU 19 39 0.92	<b>17</b> 03 37 -0.31 <b>FRI</b> 18 55 1.04	2 03 22 -0.18 THU 18 00 0.81 FRI	02 19 -0.27 I 17 15 0.94	2 03 25 -0.13 SUN 19 30 0.77	<b>17</b> 03 03 -0.13 MON 10 18 0.38 12 48 0.35 19 54 0.84
<b>3</b> 03 49 0.02 TUE 19 35 0.86	18 03 00 -0.03 WED 18 29 0.90	<b>3</b> 04 59 -0.24 <b>FRI</b> 20 24 0.96	<b>18</b> 04 21 -0.38 <b>SAT</b> 20 02 1.12	3 03 54 -0.21 18 SAT	03 09 -0.31 18 42 0.98	3 03 49 -0.08 MON 11 14 0.33 13 05 0.32 20 29 0.76	18 03 30 -0.02 TUE 09 41 0.44 14 24 0.22 21 03 0.77
<b>4</b> 04 32 -0.11 WED 20 06 0.95	<b>19</b> 03 48 -0.21 <b>THU</b> 19 16 1.04	<b>4</b> 05 27 -0.25 <b>SAT</b> 21 07 0.99	<b>19</b> 05 04 -0.39 <b>SUN</b> 21 05 1.16		03 51 -0.30 I 19 59 1.01	<b>4</b> 04 08 -0.01 <b>TUE</b> 10 24 0.35 14 28 0.24 21 20 0.74	19 03 51 0.10 WED 09 42 0.55 15 33 0.10 22 06 0.68
<b>5</b> 05 09 -0.20 <b>THU</b> 20 40 1.01	<b>20</b> 04 34 -0.34 FRI 20 09 1.16	5 05 56 -0.24 sun 21 48 1.01	20 05 44 -0.35 MON 22 03 1.16	5 04 49 -0.19 20 mon	04 27 -0.24 1 11 26 0.25 13 08 0.24 21 05 1.00	<b>5</b> 04 21 0.07 WED 10 13 0.42 15 27 0.16 22 07 0.69	<b>20</b> 04 03 0.21 <b>THU</b> 09 56 0.68 <b>1</b> 6 36 -0.02 23 06 0.56
6 05 43 -0.25 FRI 21 16 1.05	<b>21</b> 05 21 -0.42 <b>SAT</b> 21 03 1.24	6 06 24 -0.20 MON 22 26 1.00	<b>21</b> 06 21 -0.26 TUE 12 28 0.17 14 50 0.14 22 55 1.09		04 59 -0.15 10 51 0.29 14 46 0.15 22 03 0.94	6 04 30 0.14 THU 10 15 0.52 16 21 0.07 22 53 0.62	<b>21</b> 04 05 0.30 <b>FRI</b> 10 16 0.81 17 37 -0.10
7 06 16 -0.26 SAT 21 53 1.06	22 06 07 -0.45 SUN 21 57 1.27	7 06 49 -0.15 TUE 23 03 0.97	<b>22</b> 06 52 -0.14 WED 12 26 0.24 16 14 0.12 23 45 0.96		05 23 -0.02 10 54 0.38 15 57 0.07 22 57 0.84	7 04 36 0.22 FRI 10 28 0.63 17 15 -0.01 23 42 0.51	<b>22</b> 00 14 0.43 <b>SAT</b> 03 51 0.34 10 41 0.91 18 37 -0.16
<b>8</b> 06 50 -0.25 <b>SUN</b> 22 30 1.06	<b>23</b> 06 54 -0.41 MON 22 51 1.24	8 07 12 -0.10 WED 13 14 0.18 15 10 0.17 23 37 0.90	<b>23</b> 07 16 0.00 THU 12 40 0.34 17 30 0.11	8 05 51 -0.02 WED 11 26 0.28 15 37 0.15 22 56 0.82	05 40 0.10 11 08 0.50 17 04 0.01 23 48 0.68	8 04 36 0.27 SAT 10 47 0.74 18 12 -0.08	<b>23</b> 11 08 0.98 sun 19 38 -0.18
<b>9</b> 07 23 -0.22 MON 23 06 1.04	<b>24</b> 07 38 -0.33 TUE 23 43 1.15	9 07 32 -0.03 THU 13 15 0.24 16 23 0.19	<b>24</b> 00 33 0.77 FRI 07 30 0.12 13 03 0.45 18 48 0.12	9 06 04 0.05 THU 11 31 0.36 16 36 0.11 23 33 0.73	05 48 0.21 1 11 29 0.62 18 11 -0.03	9 00 39 0.40 SUN 04 26 0.30 11 11 0.85 19 12 -0.14	<b>24</b> 11 37 1.00 MON 20 41 -0.19
<b>10</b> 07 57 -0.18 TUE 23 41 0.99	<b>25</b> 08 18 -0.21 WED	<b>10</b> 00 11 0.80 FRI 07 46 0.04 13 28 0.31 17 36 0.21	25 01 22 0.57 SAT 07 30 0.21 13 32 0.56 20 20 0.12	10 06 13 0.12 FRI 11 45 0.45 17 36 0.08	00 43 0.51 05 42 0.28 11 54 0.73 19 21 -0.06	<b>10</b> 02 19 0.29 <b>MON</b> 03 28 0.29 11 41 0.93 20 20 -0.18	<b>25</b> 12 09 1.00 TUE 21 50 -0.17
<b>11</b> 08 28 -0.13 <b>WED</b>	<b>26</b> 00 33 1.00 THU 08 51 -0.08 15 14 0.25 17 24 0.24	11 00 47 0.68 SAT 07 55 0.11 13 48 0.40 19 02 0.22	26 02 21 0.36 SUN 07 00 0.25 14 07 0.65 22 33 0.09 27 14 50 0.71	11 00 14 0.61 SAT 06 17 0.18 12 04 0.55 18 39 0.05	01 56 0.33 05 03 0.30 12 22 0.80 20 39 -0.07	<b>11</b> 12 16 0.99 TUE 21 39 -0.21	<b>26</b> 12 45 0.96 WED 23 05 -0.15
<b>12</b> 00 15 0.92 THU 08 57 -0.08	<b>27</b> 01 21 0.81 FRI 09 14 0.05 15 29 0.36 19 24 0.29	12 01 27 0.53 sun 07 57 0.17 14 16 0.50 20 51 0.21	<b>27</b> 14 50 0.71		12 54 0.84 I 22 18 -0.08	12 13 00 1.01 WED 23 12 -0.23	<b>27</b> 13 27 0.90
<b>13</b> 00 50 0.83 FRI 09 21 -0.01	<b>28</b> 02 10 0.59 <b>SAT</b> 09 23 0.16 15 59 0.48 22 05 0.29	<b>13</b> 02 24 0.35 MON 07 43 0.21 14 53 0.61 23 35 0.13	28 01 30 -0.01 TUE 15 44 0.75	13 02 02 0.32 MON 05 51 0.25 13 00 0.74 21 24 -0.02	13 30 0.84	13 13 57 0.99 THU	28 00 14 -0.13 FRI 14 25 0.84
<b>14</b> 01 26 0.70 <b>SAT</b> 09 38 0.06 17 22 0.37 18 47 0.36	29 03 12 0.38 sun 09 06 0.23 16 37 0.60	<b>14</b> 15 40 0.73 <b>TUE</b> 《		14 13 40 0.81 TUE 23 26 -0.09 WED	00 15 -0.11 14 18 0.82	<b>14</b> 00 38 -0.25 <b>FRI</b> 15 17 0.95	29 01 05 -0.10 SAT 15 45 0.77
<b>15</b> 02 10 0.55 <b>SUN</b> 09 48 0.13 ( 16 58 0.47 23 18 0.33	<b>30</b> 01 53 0.16 MON 17 21 0.70	<b>15</b> 01 46 -0.03 WED 16 39 0.84		15 14 34 0.87 XHU	01 34 -0.15 15 26 0.79	<b>15</b> 01 40 -0.25 <b>SAT</b> 16 55 0.91	<b>30</b> 01 42 -0.06 sun 17 16 0.71
	<b>31</b> 03 14 0.00 TUE 18 06 0.79			31 FRI	02 21 -0.16 I 16 54 0.76		

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