ABRA DE ILOG, OCCIDENTAL MINDORO

LAT 13° 28'N LONG 120° 46'E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

January		February		March		April	
	Time Ht. n. min. m.	Time Ht.	Time Ht.	Time Ht.	Time Ht.	Time Ht.	Time Ht.
1 00 23 0.55 sun 05 03 0.66 11 15 0.40 18 36 0.90	n. min. m. 03 31 0.61 09 41 0.36 17 02 0.91	h. min. m. 1 03 34 0.03 WED 18 36 1.08	16 02 34 -0.05 THU 17 38 1.19	h. min. m. 1 01 36 0.02 WED 16 12 0.99	16 00 44 -0.07 THU 15 35 1.17	1 02 28 0.00 SAT 18 21 0.90	16 02 21 -0.05 SUN 18 42 1.09
2 02 24 0.38 MON 07 45 0.52 11 02 0.48 19 03 1.02	01 42 0.37 06 06 0.44 09 22 0.41 17 43 1.05	2 04 17 -0.08 THU 19 30 1.13	17 03 36 -0.19 FRI 18 56 1.27	2 02 47 -0.05 THU 17 28 0.98	17 02 02 -0.14 FRI 16 57 1.17	2 03 11 0.02 SUN 19 41 0.92	17 03 05 0.01 MON 10 41 0.59 13 09 0.57 20 04 1.06
3 03 38 0.20 TUE 19 34 1.13 WED)2 57 0.17 18 32 1.19	3 04 50 -0.15 FRI 20 20 1.17	18 04 24 -0.28 SAT 20 06 1.34	3 03 33 -0.09 FRI 18 57 0.99	18 03 04 -0.19 SAT 18 43 1.18	3 03 45 0.04 MON 11 23 0.58 14 04 0.55 20 40 0.94	18 03 37 0.11 TUE 09 53 0.65 14 45 0.41 21 13 1.01
4 04 29 0.04 THU	03 52 -0.03 19 24 1.33	4 05 20 -0.19 SAT 21 07 1.20	19 05 07 -0.32 SUN 21 09 1.38	4 04 08 -0.12 SAT 20 03 1.02	19 03 52 -0.20 SUN 20 03 1.21	4 04 12 0.09 TUE 10 46 0.59 15 07 0.45 21 30 0.94	19 04 00 0.22 WED 09 57 0.76 15 53 0.24 22 15 0.92
5 05 09 -0.08 THU 20 42 1.29	04 42 -0.20 20 17 1.44	5 05 50 -0.19 SUN 21 51 1.21	20 05 45 -0.31 MON 22 08 1.37	5 04 39 -0.12 SUN 20 57 1.05	20 04 30 -0.17 MON 11 45 0.46 13 36 0.44 21 11 1.21	5 04 34 0.15 WED 10 39 0.64 15 56 0.34 22 17 0.92	20 04 18 0.33 THU 10 14 0.90 16 51 0.09 23 15 0.79
6 05 45 -0.15 SAT 2	05 28 -0.31 21 10 1.51	6 06 18 -0.17 MON 22 33 1.20	21 06 18 -0.24 TUE 12 41 0.40 15 33 0.33 23 03 1.30	6 05 08 -0.10 MON 12 27 0.46 13 57 0.45 21 44 1.07	21 05 02 -0.09 TUE 11 09 0.49 15 15 0.32 22 10 1.15	6 04 50 0.22 THU 10 44 0.72 16 42 0.22 23 03 0.85	21 04 28 0.42 FRI 10 37 1.03 17 48 -0.02
7 06 18 -0.18 SUN 2	06 12 -0.36 22 04 1.53	7 06 45 -0.12 TUE 13 34 0.42 15 02 0.41 23 13 1.16	22 06 48 -0.14 WED 12 43 0.46 16 55 0.26 23 55 1.16	7 05 33 -0.06 TUE 12 00 0.46 15 16 0.39 22 27 1.06	22 05 27 0.01 WED 11 14 0.59 16 26 0.19 23 05 1.04	7 05 01 0.29 FRI 10 57 0.83 17 29 0.11 23 49 0.75	22 00 18 0.64 SAT 04 30 0.48 11 03 1.14 18 44 -0.09
8 06 51 -0.18 23 0 MON 2	06 54 -0.35 22 58 1.50	8 07 09 -0.07 WED 13 28 0.44 16 10 0.39 23 51 1.10	23 07 11 -0.02 THU 12 59 0.56 18 08 0.21	8 05 55 -0.01 WED 11 57 0.50 16 15 0.32 23 07 1.01	23 05 46 0.13 THU 11 31 0.70 17 28 0.09 23 56 0.88	8 05 10 0.36 SAT 11 18 0.95 18 19 0.02	23 01 51 0.50 SUN 04 09 0.48 11 30 1.21 19 43 -0.11
9 07 22 -0.14 MON 23 12 1.28 TUE 2	07 33 -0.28 23 52 1.40	9 07 28 0.00 THU 13 35 0.49 17 18 0.37	24 00 43 0.98 FRI 07 27 0.10 13 21 0.67 19 14 0.17	9 06 12 0.06 THU 12 04 0.56 17 10 0.25 23 47 0.93	24 06 00 0.23 FRI 11 54 0.83 18 27 0.02	9 00 40 0.63 SUN 05 15 0.41 11 42 1.07 19 12 -0.05	24 12 00 1.25 MON 20 45 -0.10
10 07 52 -0.09 TUE 23 50 1.23 25 WED 3	08 07 -0.17 14 44 0.43 16 48 0.41	10 00 27 1.01 FRI 07 44 0.07 13 48 0.57 18 30 0.36	25 01 27 0.76 SAT 07 36 0.20 13 48 0.79 20 23 0.16	10 06 25 0.13 FRI 12 18 0.66 18 04 0.19	25 00 45 0.69 SAT 06 06 0.31 12 21 0.94 19 27 -0.02	10 01 43 0.50 MON 05 05 0.44 12 12 1.17 20 15 -0.08	25 12 30 1.23 TUE 21 47 -0.07
11 08 20 -0.02 26 THU	00 44 1.25 08 36 -0.04 14 51 0.51 18 36 0.42	11 01 06 0.88 SAT 07 57 0.15 14 08 0.67 19 41 0.34	26 02 12 0.54 sun 07 36 0.26 14 16 0.88 21 57 0.15	11 00 27 0.81 SAT 06 36 0.20 12 38 0.77 18 59 0.13	26 01 35 0.50 sun 06 03 0.34 12 48 1.03 20 33 -0.02	11 12 44 1.24 TUE 21 34 -0.10	26 13 03 1.18 WED 22 45 -0.02
12 00 26 1.15 THU 08 44 0.05 FRI (2	01 33 1.05 08 58 0.09 15 11 0.61 20 08 0.41	12 01 47 0.73 SUN 08 06 0.22 14 32 0.78 20 57 0.31	27 03 00 0.34 MON 07 09 0.28 3 14 48 0.95	12 01 10 0.67 SUN 06 44 0.26 13 03 0.89 19 57 0.09	27 02 42 0.34 MON 04 55 0.33 13 17 1.07 22 00 -0.02	12 13 20 1.27 WED 23 02 -0.11	27 13 37 1.11 THU 23 40 0.03
13 01 02 1.06 FRI 09 04 0.12 SAT 0 15 54 0.58 18 03 0.56	02 20 0.83 09 11 0.21 15 38 0.73 21 48 0.40	13 02 34 0.56 MON 08 09 0.28 15 02 0.90 22 49 0.25	28 00 06 0.10 TUE 15 24 0.98	13 01 59 0.51 MON 06 43 0.31 13 30 0.99 21 09 0.06	28 13 48 1.08 TUE 23 26 -0.02	13 14 03 1.26 THU	28 14 16 1.02 FRI
14 01 41 0.94 SAT 09 21 0.20 16 06 0.66 20 26 0.58	03 08 0.60 09 11 0.30 16 11 0.84	14 03 45 0.37 TUE 07 45 0.31 (15 39 1.01		14 03 06 0.35 TUE 05 55 0.33 14 03 1.08 23 00 0.01	29 14 24 1.05 WED	14 00 18 -0.11 FRI 15 01 1.21	29 00 32 0.09 SAT 15 12 0.94
15 02 26 0.79 SUN 09 34 0.28 MON 09 34 0.28 MON 00 00 00 00 00 00 00 00 00 00 00 00 00	00 30 0.31 04 25 0.39 08 42 0.34 16 51 0.93	15 01 12 0.11 WED 16 29 1.11		15 14 42 1.14 WED	30 00 36 -0.02 THU 15 06 0.99	15 01 26 -0.09 SAT 16 42 1.13	30 01 21 0.14 SUN 17 24 0.87
	02 21 0.17 17 42 1.01				31 01 36 -0.01 FRI 16 15 0.93		

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

ABRA DE ILOG, OCCIDENTAL MINDORO

LAT 13° 28'N LONG 120° 46'E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

Time Ht. h. min. m. 1 02 03 0.19 MON 10 52 0.72 13 37 0.70 19 06 0.85 20 06 0.85 20 08 43 0.99 14 09 0.52 21 00 0.85 22 10 03 1 0.55 20 16 0.84 21 25 0.79 21 15 29 0.85 20 16 0.84 21 25 0.79 21 15 29 0.85 21 17 02 24 0.38 WED 09 26 0.89 15 20 0.85 21 25 0.79 21 15 0.39 21 15 0.99 22 15 0.79 23 18 0.61 24 0.17 25 18 0.92 25 1 0.69 26 0.80 27 10 0.80 27 10 0.80 28 15 0.80 29 17 18 0.00 29 17 18 0.00 20 10 0.88 21 10 0.88 22 0.88 23 17 0.88 24 1.88 25 0.88 26 0.88 27 10 0.88 28 10
10 02 03 0.19 10 02 03 0.19 10 02 00 0.26 11 01 02 0.47 11 03 10 0.99 14 09 0.52 12 00 0.65 13 0.02 14 09 0.52 12 00 0.65 14 0.09 0.52 14 0.09 0.52 12 00 0.65 15 0.02 14 0.09 0.52 14 0.09 14 0.09 0.52 14 0.09 0.52 14 0.09 0.52 14 0.09 0.52 14 0.09 0.05 14 0.09 0.00 14 0.09 0.00 14 0.09 0.00 14 0.09 0.00 14 0.09 0.00 14 0.09 0.00 14 0.09 0.00 14 0.09 0.00 14 0.09 0.00 14 0.09 0.00 14 0.09 0.00 14 0.09 0.00 14 0
WED 09 26 0.80 15 27 0.44 21 17 0.82
WED 09 26 0.80 15 27 0.44 21 17 0.82
5 03 27 0.46 FRI 09 42 1.02 16 56 0.13 23 17 0.69 SAT 02 35 0.60 09 54 1.29 18 12 -0.10 Mon 18 57 -0.22 TUE 19 42 -0.16 WED 19 39 -0.31 SAT 10 03 1.15 SAT 10 22 1.36 SAT 10 03 1.15 SIN 19 05 -0.15 SUN 19 05 -0.26 SAT 0.20 10 0.33 1.40 TUE 19 42 -0.16 WED 19 39 -0.31 SUN 19 05 -0.26 WED 20 17 -0.11 SUN 20 22 -0.25 FRI 20 03 -0.02 SAT 11 09 1.25 SAT 11 11 10 1.36 SUN 19 05 -0.15 SUN 06 26 0.36 13 14 1.05 19 28 0
16 56 0.13 0.69 18 12 -0.10 19 54 1.29 18 10 22 1.36 6 10 38 1.56 28 TUE 19 51 -0.26 WED 20 17 -0.11 6 11 24 1.54 FRI 20 03 -0.02 19 18 0 12 24 1.25 20 07 -0.06 19 18 0 19 18
17 44 0.00 13 14 1.05 12 55 0 20 28 0.07 19 28 0
7 70 7 7 7 7 7 7 7 7 7 7 7 7
7 00 37 0.61 sun 03 33 0.56 no 37 0.61 sun 03 33 0.56 no 37 0.61 sun 03 33 0.56 no 37 0.61 no 30 1.27 no 30 1.
8 11 02 1.37 MON 19 36 -0.16 TUE 20 40 -0.11 THU 21 35 -0.18 THU 21 35 -0.18 23 12 25 1.20 SAT 21 36 -0.02
9 11 36 1.43 TUE 20 42 -0.18 WED 21 24 -0.05 FRI 22 23 -0.08 SAT 21 47 0.12 SUN 22 03 0.11 24 0.05 SUN 22 03 0.11 24 0.05 SUN 22 03 0.11 24 0.05 SUN 22 03 0.11 25 0.52 SUN 22 03 0.11 25 0.52 SUN 22 03 0.11 25 0.52 SUN 22 03 0.18 59 0
10 12 14 1.44 WED 21 48 -0.17 THU 22 06 0.02 THU 22 06 0.02 SAT 23 07 0.04 SUN 22 11 0.19 NON 08 53 0.58 TUE 08 34 0.52 14 16 0.72 21 03 0.25 THU 13 37 0.11 FRI 12 39 0
11 12 57 1.40 THU 22 51 -0.12
12 13 47 1.32 27 13 45 1.05 12 07 58 0.73 27 0.6 29 0.75 12 07 58 0.71 16 39 0.92 27 0.6 29 0.75 18 53 0.47 22 09 0.43 22 09 0.43 20 42 0.36 12 06 0.2 1.08 27 04 57 1 20 07 58 0.71
13 14 55 1.20 SAT 14 55 1.20 SUN 14 30 0.95 TUE 07 21 0.83 13 14 0.58 18 30 0.75 25 7 0.42 THU 15 10 0.17 THU 15 10 0.17 THU 15 10 0.17 SUN 16 33 -0.17 MON 15 56 -0
14 00 43 0.04 sun 16 48 1.07
15 01 27 0.14 MON 09 40 0.72 TUE 08 37 0.80 TUE 08 37 0.80 18 12 0.76 18 12 0
31 01 02 0.39 WED 08 09 0.88 14 56 0.54 19 51 0.70 Sign of the second of

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

ABRA DE ILOG, OCCIDENTAL MINDORO

LAT 13° 28'N LONG 120° 46'E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

September	October	November	December	
Time Ht. Time Ht.	Time Ht. Time Ht.	Time Ht. Time Ht.	Time Ht. Time Ht. h. min. m. h. min. m.	
1 00 05 0.41 FRI 03 17 0.32 10 39 1.28 18 18 -0.11 23 34 0.62	1 05 09 0.07 SUN 11 35 0.87 17 26 0.28 23 24 0.91 16 34 0.42 22 51 1.02	1 07 32 -0.15 WED 23 38 1.34 THU 23 11 1.46	1 08 27 -0.15 FRI 23 49 1.36 16 08 18 -0.24 SAT 23 46 1.52	
2 00 09 0.48 SAT 04 38 0.23 11 33 1.15 17 54 0.20 23 49 0.71	2 06 09 -0.02 17 06 08 0.02 18 17 33 0.36 16 34 0.46 23 52 1.03 23 15 1.13	2 08 36 -0.14 17 08 21 -0.17 FRI 23 48 1.47	2 09 10 -0.07 17 09 05 -0.17 SUN	
3 00 27 0.59 18 05 57 0.15 12 23 0.96 18 57 0.13	3 07 11 -0.06 TUE 13 29 0.49 17 25 0.39 18 06 59 -0.05 WED 13 52 0.48 16 00 0.47 23 42 1.22	3 00 11 1.31 18 09 21 -0.15 SAT	3 00 26 1.26 MON 09 49 -0.08	
4 00 51 0.72 MON 06 57 0.11 13 12 0.74 19 07 0.22 19 00 09 0.82 TUE 06 48 12 57 0.61 18 07 0.31	4 00 21 1.11 19 07 58 -0.08 THU	4 00 45 1.24 SAT 10 34 -0.04 SUN 10 21 -0.10	4 01 03 1.15 19 01 32 1.30 TUE 10 30 0.04	
5 01 18 0.84 TUE 08 06 0.09 14 00 0.52 19 06 0.28 20 00 33 0.93 WED 07 43 0.06 13 48 0.47 18 00 0.34	5 00 52 1.15 THU 09 49 -0.07 RRI 09 12 -0.10	5 01 21 1.15 20 01 18 1.35 MON 11 18 -0.03	5 01 40 1.04 TUE 11 04 0.20 WED 11 05 0.17	
6 01 48 0.94 WED 09 38 0.07 15 06 0.32 15 09 0.34 16 18 0.33	6 01 25 1.14 FRI 11 11 -0.06 SAT 10 36 -0.10	6 02 02 1.04 21 02 20 1.23 TUE 12 10 0.06	6 02 21 0.92 WED 11 36 0.27 PHU 11 32 0.30 18 41 0.80	
7 02 21 1.00 FRI 10 33 -0.01	7 02 02 1.10 22 01 31 1.29 SUN 11 49 -0.08	7 03 00 0.94 UPD 12 53 0.17 WED 12 53 0.17 21 38 0.73 23 20 0.72	7 03 31 0.80 22 00 31 0.58 FRI 05 42 0.73 11 51 0.42 18 55 0.94	
8 02 58 1.03	8 02 46 1.02 23 02 25 1.23 MON 12 54 -0.06	8 05 18 0.85 23 05 57 0.96	8 02 24 0.66 FRI 05 50 0.70 12 26 0.43 19 48 0.89 SAT 08 00 0.59 11 56 0.52 19 21 1.09	
9 03 45 1.02 SAT 14 16 -0.08 24 02 59 1.17 SUN 13 29 -0.12	9 03 59 0.94 24 03 52 1.15 TUE 13 49 -0.01	9 01 57 0.69 THU 06 59 0.82 FRI 07 34 0.86 13 49 0.40 21 16 0.78 20 18 0.94	9 03 08 0.51 SAT 07 48 0.63 12 41 0.50 19 51 1.00 24 03 39 0.17 SUN 19 52 1.23	
10 05 01 1.00 25 04 13 1.16 MON 14 30 -0.15	10 06 13 0.90 Z5 06 03 1.09 WED 14 31 0.06 22 21 0.64	10 02 51 0.56 FRI 08 10 0.79 14 32 0.37 21 05 0.85 25 03 03 0.35 SAT 09 02 0.76 14 06 0.51 20 37 1.09	10 03 45 0.33 sun 09 37 0.60 12 46 0.56 20 07 1.13	
11 06 39 0.99 MON 15 48 -0.11 Z6 06 05 1.16 TUE 15 20 -0.15	11 07 33 0.90 26 00 42 0.62	11 03 33 0.43 SAT 09 12 0.76 14 45 0.44 21 08 0.95 21 03 1.24	11 04 24 0.16 MON 20 32 1.26 Z6 05 25 -0.15 TUE 21 05 1.41	
12 07 50 1.01 27 07 33 1.18 WED 15 58 -0.12 23 14 0.49	12 02 20 0.54 THU 08 32 0.91 15 47 0.16 22 15 0.65 27 02 24 0.45 FRI 08 46 1.00 15 26 0.26 21 28 0.83	12 04 11 0.28 sun 10 12 0.72 14 54 0.51 21 21 1.07	12 05 06 -0.01 TUE 21 03 1.39	
13 08 46 1.02 WED 16 46 -0.05 23 42 0.47 28 01 15 0.47 THU 08 43 1.19 16 29 -0.04 22 35 0.54	13 03 12 0.44 28 03 33 0.26 FRI 09 22 0.90 SAT 09 51 0.91 16 06 0.22 15 43 0.37 22 12 0.71 21 46 0.97	13 04 52 0.13 MON 11 20 0.65 ■ 14 57 0.56 21 41 1.20 28 05 59 -0.13 TUE 22 03 1.43	13 05 51 -0.14 WED 21 39 1.49 28 06 48 -0.23 THU 22 24 1.43	
14 02 21 0.44 THU 09 34 1.03 17 10 0.00 23 24 0.49 29 02 55 0.34 FRI 09 45 1.14 16 54 0.06 22 42 0.64	14 03 56 0.33 SAT 10 08 0.86 16 20 0.29 22 18 0.79 22 10 1.12 29 04 33 0.09 SUN 10 56 0.78 ○ 15 54 0.46 ○ 22 10 1.12	14 05 36 0.00 TUE 13 06 0.59 44 44 0.58 22 06 1.31	14 06 39 -0.22 29 07 26 -0.20 FRI 23 06 1.38	
15 03 26 0.36 FRI 10 17 1.00 ■ 17 30 0.06 ■ 23 25 0.54 30 04 06 0.19 SAT 10 42 1.03 17 13 0.18 23 00 0.77	15 04 38 0.21 SUN 10 53 0.79 16 28 0.36 ■ 16 28 0.36 ■ 22 31 0.90 30 05 31 -0.04 MON 12 09 0.64 15 57 0.52 22 38 1.23	15 06 26 -0.10 30 07 41 -0.19 WED 22 37 1.40 THU 23 12 1.43	15 07 29 -0.25 80 08 00 -0.13 SAT 23 46 1.29	
	31 06 30 -0.12 TUE 23 07 1.31		31 08 30 -0.04	

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