

BULAN, SORSOGON

LAT 12° 40'N LONG 123° 52'E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

September			October			November			December		
Time	Ht.		Time	Ht.		Time	Ht.		Time	Ht.	
h. min.	m.		h. min.	m.		h. min.	m.		h. min.	m.	
1 FRI	00 52 0.87 05 16 0.43 12 00 1.67 19 05 0.00		16 SAT	00 18 1.04 05 47 0.31 12 03 1.40 18 30 0.18		1 WED	07 24 -0.29 13 55 0.63 17 44 0.38		1 FRI	00 15 1.41 08 00 -0.35 15 00 0.38 17 31 0.33	
2 SAT	01 03 0.98 06 10 0.28 12 46 1.58 19 26 0.12		17 SUN	00 27 1.12 06 18 0.22 12 33 1.33 18 42 0.23		2 THU	00 28 1.53 08 02 -0.23 14 33 0.52 17 55 0.38		2 SAT	00 49 1.34 08 34 -0.27 16 41 0.38 17 56 0.35	
3 SUN	01 18 1.12 07 02 0.18 12 29 1.43 19 41 0.23		18 MON	00 40 1.22 06 50 0.16 12 03 1.23 18 53 0.28		3 FRI	00 58 1.48 08 40 -0.14 15 17 0.45 17 57 0.40		3 SUN	01 23 1.23 09 09 -0.18 16 32 0.40 18 20 0.39	
4 MON	01 37 1.26 07 51 0.13 14 09 1.23 19 52 0.33		19 TUE	00 57 1.30 07 23 0.12 13 33 1.11 19 05 0.34		4 SAT	01 27 1.38 09 23 -0.03 16 51 0.42 17 06 0.42		4 MON	01 57 1.11 09 47 -0.09 17 58 0.45 18 36 0.45	
5 TUE	02 00 1.37 08 40 0.13 14 47 1.02 20 01 0.41		20 WED	01 16 1.37 07 59 0.10 14 04 0.97 19 16 0.39		5 SUN	01 57 1.24 10 18 0.07 ☾		5 TUE	02 35 0.96 10 31 0.00 ☾	
6 WED	02 27 1.43 09 31 0.18 15 24 0.80 20 03 0.47		21 THU	01 38 1.42 08 40 0.10 14 40 0.81 19 24 0.45		6 MON	02 28 1.08 11 46 0.16		6 WED	03 24 0.80 11 27 0.09 19 40 0.60	
7 THU	02 56 1.44 10 33 0.26 16 09 0.61 19 44 0.51	☾	22 FRI	02 03 1.44 09 33 0.14 15 27 0.64 19 18 0.50		7 TUE	03 18 0.91 13 34 0.19 22 41 0.75		7 THU	00 03 0.53 05 00 0.65 12 32 0.17 20 02 0.70	
8 FRI	03 28 1.39 12 09 0.32		23 SAT	02 33 1.43 10 55 0.19 ☾		8 WED	01 59 0.71 06 34 0.80 14 33 0.19 21 51 0.80		8 FRI	02 15 0.38 07 15 0.57 13 30 0.22 20 26 0.81	
9 SAT	04 11 1.30 15 12 0.27		24 SUN	03 13 1.37 13 23 0.18		9 THU	03 09 0.52 08 27 0.82 15 09 0.20 21 45 0.88		9 SAT	03 13 0.17 09 00 0.57 14 15 0.27 20 51 0.93	
10 SUN	05 48 1.20 16 17 0.17		25 MON	04 27 1.28 15 16 0.07		10 FRI	03 42 0.32 09 30 0.87 15 36 0.22 21 53 0.98		10 SUN	03 57 -0.04 10 16 0.57 14 50 0.31 21 19 1.05	
11 MON	08 15 1.21 16 51 0.09		26 TUE	07 26 1.25 16 09 -0.01 23 51 0.82		11 SAT	04 15 0.12 10 19 0.90 15 59 0.25 22 06 1.10		11 MON	04 39 -0.23 11 12 0.72 15 42 0.31 21 49 1.17	
12 TUE	00 20 0.88 03 12 0.82 09 30 1.30 17 17 0.05		27 WED	02 14 0.78 09 06 1.36 16 48 -0.04 23 27 0.85		12 SUN	04 03 -0.06 11 03 0.88 16 18 0.28 22 25 1.21		12 TUE	05 21 -0.38 12 12 0.53 15 39 0.36 22 21 1.28	
13 WED	00 09 0.89 04 06 0.68 10 18 1.38 17 39 0.05		28 THU	03 39 0.56 10 11 1.45 17 19 0.00 23 30 0.94		13 MON	05 21 -0.20 11 46 0.82 16 34 0.32 22 47 1.32	☉	13 WED	06 03 -0.48 13 04 0.48 16 00 0.36 22 57 1.36	☉
14 THU	00 08 0.92 04 42 0.54 10 57 1.43 17 58 0.08		29 FRI	04 33 0.33 11 04 1.47 17 45 0.08 23 39 1.06	☉	14 TUE	05 57 -0.30 12 29 0.74 16 48 0.35 23 12 1.40		14 THU	06 48 -0.54 13 56 0.42 16 22 0.35 23 34 1.41	
15 FRI	00 11 0.97 05 15 0.41 11 31 1.44 18 15 0.12	☉	30 SAT	05 22 0.13 11 51 1.41 18 04 0.18 23 54 1.21		15 WED	06 35 -0.36 13 13 0.64 17 03 0.37 23 39 1.45		15 FRI	07 32 -0.54 14 45 0.37 16 51 0.33	
			31 SUN	05 33 0.05 11 48 1.15 17 30 0.26 23 29 1.27	☉				30 SAT	00 22 1.30 08 04 -0.42 14 58 0.38 18 04 0.27	
						31 TUE	06 45 -0.31 13 17 0.76 17 30 0.37 23 59 1.54		31 SUN	00 57 1.24 08 30 -0.35 15 16 0.41 18 48 0.27	

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