

**SURIGAO CITY, SURIGAO DEL NORTE**

**LAT 09° 47'N LONG 125° 30'E**

## TIMES AND HEIGHTS OF HIGH AND LOW WATERS

May			June			July			August		
Time	Ht.		Time	Ht.		Time	Ht.		Time	Ht.	
h. min.	m.		h. min.	m.		h. min.	m.		h. min.	m.	
1 MON	03 48 11 03 13 57 20 03	0.04 0.59 0.55 0.67	16 TUE	03 39 09 33 15 51 21 32	0.12 0.60 0.29 0.68	1 THU	02 33 09 03 16 37 22 39	0.28 0.75 0.08 0.48	16 FRI	01 18 08 57 17 44	0.40 1.01 -0.21
2 TUE	04 18 10 36 15 58 21 34	0.08 0.60 0.39 0.68	17 WED	04 03 09 37 16 50 22 40	0.23 0.72 0.07 0.64	2 FRI	02 30 09 18 17 21 23 39	0.34 0.90 -0.12 0.45	17 SAT	00 13 01 24 09 30 18 30	0.41 0.40 1.12 -0.30
3 WED	04 39 10 27 16 46 22 33	0.14 0.65 0.22 0.68	18 THU	04 05 09 51 17 39 23 35	0.33 0.87 -0.12 0.57	3 SAT	02 22 09 42 18 06	0.38 1.06 -0.28	18 SUN	10 03 19 14	1.20 -0.33
4 THU	04 51 10 27 17 29 23 24	0.21 0.75 0.04 0.64	19 FRI	03 15 10 10 18 23	0.38 1.01 -0.25	4 SUN	00 42 02 14 10 11 18 51	0.40 0.38 1.20 -0.39	19 MON	10 38 19 55	1.25 -0.32
5 FRI	04 52 10 36 18 09	0.28 0.89 -0.12	20 SAT	00 27 03 13 10 33 19 06	0.48 0.38 1.13 -0.32	5 MON	10 44 19 37	1.32 -0.43	20 TUE	11 13 20 34	1.27 -0.26
6 SAT	00 11 04 21 10 53 18 49	0.57 0.34 1.02 -0.24	21 SUN	01 21 03 18 11 00 19 46	0.40 0.36 1.21 -0.33	6 TUE	11 19 20 27	1.39 -0.42	21 WED	11 48 21 09	1.25 -0.19
7 SUN	01 01 04 03 11 15 19 30	0.48 0.36 1.15 -0.32	22 MON	02 45 02 59 11 30 20 26	0.33 0.33 1.24 -0.29	7 WED	11 57 21 21	1.40 -0.35	22 THU	12 23 21 39	1.20 -0.11
8 MON	01 59 03 57 11 42 20 12	0.39 0.35 1.24 -0.35	23 TUE	12 00 21 06	1.23 -0.23	8 THU	12 39 22 18	1.35 -0.26	23 FRI	12 57 22 03	1.13 -0.03
9 TUE	12 12 20 59	1.29 -0.32	24 WED	12 33 21 48	1.19 -0.16	9 FRI	13 24 23 12	1.24 -0.14	24 SAT	13 30 22 20	1.04 0.04
10 WED	12 45 21 58	1.29 -0.26	25 THU	13 05 22 39	1.12 -0.08	10 SAT	14 15	1.08	25 SUN	06 09 06 38 14 06 22 37	0.46 0.46 0.93 0.10
11 THU	13 23 23 27	1.24 -0.18	26 FRI	13 37 23 37	1.04 -0.02	11 SUN	00 00 15 15	-0.02 0.87	26 MON	06 02 08 06 14 44 22 57	0.49 0.48 0.79 0.17
12 FRI	14 06	1.13	27 SAT	14 12	0.94	12 MON	00 37 07 24 10 10 16 56	0.11 0.48 0.46 0.66	27 TUE	06 13 10 15 15 33 23 21	0.55 0.47 0.63 0.24
13 SAT	01 00 15 02	-0.12 0.98	28 SUN	00 30 14 49	0.04 0.81	13 TUE	01 03 07 30 13 48 19 45	0.22 0.60 0.34 0.51	28 WED	06 35 12 48 17 16 23 41	0.63 0.37 0.44 0.31
14 SUN	02 09 16 56	-0.05 0.80	29 MON	01 16 15 43	0.09 0.67	14 WED	01 10 07 54 15 53 21 51	0.31 0.74 0.13 0.47	29 THU	07 06 15 12 22 00 23 50	0.74 0.19 0.38 0.37
15 MON	03 00 10 06 12 40 19 44	0.03 0.52 0.50 0.70	30 TUE	01 54 09 12 13 42 18 40	0.15 0.57 0.47 0.53	15 THU	01 10 08 24 16 54 23 06	0.38 0.88 -0.06 0.44	30 FRI	07 42 16 24	0.88 -0.02
			31 WED	02 20 08 58 15 45 21 23	0.21 0.64 0.28 0.49						

1 SAT	08 21 17 18	1.04 -0.21	16 SUN	09 03 18 36	1.16 -0.26	2 SUN	09 02 18 08	1.20 -0.35	17 MON	09 47 19 14	1.23 -0.27	3 MON	09 44 18 58	1.35 -0.43	18 TUE	10 27 19 49	1.27 -0.23	19 WED	11 06 20 21	1.29 -0.16	5 WED	11 11 20 35	1.48 -0.38	20 THU	03 02 04 09 11 42 20 45	0.42 0.42 1.27 -0.07	21 FRI	03 06 05 05 12 16 21 00	0.44 0.41 1.21 0.01	22 SAT	03 10 05 54 12 49 21 03	0.48 0.41 1.13 0.09	8 SAT	04 33 05 25 13 30 22 21	0.35 0.34 1.19 0.02	9 SUN	04 23 07 04 14 21 22 36	0.43 0.37 0.99 0.16	10 MON	04 35 08 54 15 18 22 34	0.56 0.38 0.76 0.27	11 TUE	05 00 11 20 16 39 22 18	0.68 0.34 0.52 0.35	12 WED	05 38 13 44	0.80 0.23	13 THU	06 26 16 05	0.90 0.06	14 FRI	07 20 17 06	0.99 -0.09	15 SAT	08 14 17 53	1.08 -0.20	31 MON	08 38 18 13	1.30 -0.34
2 TUE	10 23 19 39	1.50 -0.33	3 THU	11 12 20 15	1.51 -0.21	4 FRI	02 30 04 00 12 00 20 43	0.39 0.37 1.43 -0.06	5 SAT	02 22 05 19 12 48 21 02	0.45 0.34 1.28 0.11	6 SUN	02 24 06 35 13 36 21 06	0.58 0.32 1.08 0.25	7 MON	02 36 08 10 14 24 20 36	0.72 0.30 0.85 0.34	8 TUE	02 58 09 48 15 15 20 12	0.86 0.28 0.62 0.37	9 WED	03 28 11 18 16 30 19 37	0.96 0.25 0.41 0.37	10 THU	04 06 14 05	1.02 0.19	11 FRI	04 56 16 18	1.04 0.05	12 SAT	06 13 17 06	1.05 -0.06	13 SUN	07 43 17 45	1.09 -0.13	14 MON	08 51 18 21	1.16 -0.16	15 TUE	09 42 18 54	1.23 -0.14																		
16 WED	01 25 02 54 10 25 19 21	0.55 0.53 1.27 -0.08	17 THU	01 27 03 50 11 03 19 44	0.54 0.48 1.28 0.01	18 FRI	01 32 04 37 11 39 19 57	0.56 0.44 1.25 0.10	19 SAT	01 34 05 23 12 12 20 01	0.61 0.40 1.18 0.18	20 SUN	01 38 06 10 12 43 19 54	0.68 0.38 1.08 0.24	21 MON	01 46 07 01 13 16 19 45	0.76 0.35 0.95 0.28	22 TUE	02 02 07 57 13 53 19 42	0.84 0.32 0.81 0.32	23 WED	02 23 08 59 14 36 19 39	0.91 0.29 0.66 0.37	24 THU	02 49 10 11 15 36 19 15	0.98 0.25 0.48 0.40	25 FRI	03 22 11 57	1.04 0.21	26 SAT	04 08 15 12	1.09 0.08	27 SUN	05 21 16 27	1.14 -0.08	28 MON	07 09 17 18	1.21 -0.20	29 TUE	08 30 18 00	1.33 -0.24	30 WED	09 34 18 37	1.43 -0.21	31 THU	01 16 02 23 10 29 19 09	0.53 0.53 1.46 -0.10												

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