

**JANUARY 2012**

**Hourly Tidal Heights**

Heights in Metres

**Tuas**

Lat 01 17.4'N Long 103 39.9'E

DAY/HR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Time Zone +0800
1	☽	1.2	1.6	2.1	2.4	2.6	2.5	2.3	2.0	1.6	1.3	1.2	1.2	1.4	1.7	2.1	2.3	2.4	2.4	2.2	1.9	1.5	1.2	1.1	1.0	
2		1.1	1.4	1.8	2.2	2.5	2.5	2.5	2.2	1.9	1.6	1.4	1.3	1.3	1.4	1.6	1.8	2.0	2.1	2.1	1.9	1.7	1.5	1.3	1.2	
3		1.2	1.3	1.6	1.9	2.2	2.4	2.5	2.4	2.3	2.0	1.7	1.5	1.3	1.3	1.3	1.4	1.6	1.7	1.8	1.9	1.9	1.7	1.6	1.4	
4		1.3	1.3	1.5	1.7	1.9	2.2	2.4	2.5	2.5	2.3	2.1	1.8	1.5	1.3	1.2	1.2	1.2	1.4	1.5	1.7	1.8	1.9	1.8	1.7	
5		1.6	1.4	1.4	1.5	1.6	1.9	2.2	2.5	2.6	2.6	2.5	2.2	1.8	1.5	1.2	1.0	1.0	1.0	1.2	1.5	1.7	1.9	2.0	2.0	
6		1.8	1.6	1.4	1.3	1.4	1.6	1.9	2.3	2.7	2.8	2.8	2.6	2.2	1.8	1.4	1.1	0.9	0.8	0.9	1.2	1.5	1.9	2.1	2.2	
7		2.1	1.8	1.5	1.3	1.3	1.3	1.6	2.0	2.5	2.9	3.0	2.9	2.6	2.1	1.6	1.2	0.9	0.7	0.7	0.9	1.3	1.8	2.1	2.3	
8		2.3	2.1	1.7	1.4	1.2	1.2	1.3	1.7	2.2	2.8	3.1	3.1	2.9	2.5	2.0	1.4	1.0	0.7	0.6	0.7	1.0	1.5	2.0	2.4	
9	☉	2.5	2.4	2.0	1.6	1.3	1.1	1.1	1.3	1.8	2.5	3.1	3.3	3.2	2.9	2.3	1.7	1.2	0.9	0.6	0.5	0.7	1.2	1.8	2.3	
10		2.6	2.6	2.3	1.9	1.4	1.1	1.0	1.1	1.4	2.1	2.8	3.3	3.4	3.2	2.7	2.1	1.5	1.0	0.7	0.5	0.5	0.9	1.5	2.2	
11		2.6	2.7	2.6	2.2	1.7	1.2	1.0	1.0	1.2	1.6	2.4	3.1	3.4	3.4	3.1	2.5	1.8	1.2	0.8	0.6	0.5	0.6	1.1	1.9	
12		2.5	2.7	2.8	2.5	2.0	1.5	1.1	0.9	1.0	1.2	1.8	2.6	3.2	3.4	3.3	2.9	2.2	1.5	1.0	0.7	0.5	0.5	0.8	1.5	
13		2.2	2.7	2.8	2.8	2.4	1.8	1.3	1.0	0.8	1.0	1.4	2.0	2.8	3.3	3.3	3.1	2.6	1.9	1.3	0.9	0.6	0.5	0.7	1.1	
14		1.9	2.5	2.8	2.9	2.7	2.2	1.6	1.2	0.9	0.8	1.0	1.5	2.2	2.8	3.2	3.1	2.8	2.3	1.6	1.1	0.8	0.6	0.6	0.9	
15		1.5	2.2	2.7	2.9	2.9	2.5	2.0	1.5	1.1	0.9	0.9	1.1	1.6	2.2	2.7	2.9	2.8	2.5	2.0	1.4	1.0	0.8	0.7	0.8	
16	☾	1.2	1.8	2.4	2.8	2.9	2.8	2.4	1.9	1.4	1.1	0.9	1.0	1.2	1.6	2.1	2.4	2.6	2.5	2.2	1.8	1.4	1.0	0.9	0.9	
17		1.1	1.5	2.0	2.5	2.8	2.9	2.7	2.3	1.9	1.5	1.2	1.0	1.0	1.2	1.5	1.8	2.1	2.2	2.2	2.0	1.7	1.4	1.2	1.1	
18		1.1	1.3	1.6	2.1	2.5	2.7	2.8	2.7	2.4	2.0	1.6	1.3	1.1	1.0	1.1	1.3	1.5	1.8	1.9	2.0	1.9	1.8	1.6	1.4	
19		1.3	1.3	1.4	1.7	2.0	2.4	2.7	2.8	2.7	2.5	2.2	1.8	1.4	1.2	1.0	0.9	1.0	1.2	1.5	1.7	1.9	2.0	1.9	1.8	
20		1.6	1.4	1.4	1.4	1.6	1.9	2.3	2.7	2.9	2.9	2.7	2.3	1.9	1.5	1.1	0.9	0.7	0.7	0.9	1.3	1.7	2.0	2.1	2.2	
21		2.0	1.7	1.4	1.3	1.3	1.4	1.8	2.3	2.8	3.0	3.1	2.9	2.5	2.0	1.5	1.1	0.8	0.6	0.6	0.8	1.3	1.8	2.1	2.3	
22		2.3	2.1	1.7	1.4	1.2	1.2	1.3	1.7	2.3	2.9	3.2	3.2	3.0	2.5	1.9	1.4	0.9	0.6	0.5	0.5	0.8	1.5	2.0	2.3	
23	●	2.5	2.4	2.0	1.6	1.2	1.0	1.1	1.2	1.8	2.5	3.1	3.3	3.3	2.9	2.4	1.7	1.2	0.8	0.5	0.4	0.5	1.1	1.8	2.3	
24		2.5	2.6	2.4	1.9	1.4	1.1	0.9	1.0	1.3	1.9	2.8	3.3	3.4	3.2	2.8	2.2	1.5	1.0	0.7	0.5	0.4	0.7	1.5	2.1	
25		2.5	2.7	2.6	2.2	1.7	1.2	0.9	0.9	1.0	1.4	2.2	3.0	3.4	3.3	3.1	2.6	1.9	1.3	0.9	0.6	0.4	0.5	1.1	1.9	
26		2.4	2.7	2.7	2.5	2.0	1.4	1.0	0.8	0.8	1.0	1.6	2.5	3.1	3.3	3.2	2.8	2.2	1.6	1.1	0.7	0.5	0.5	0.8	1.6	
27		2.3	2.7	2.8	2.7	2.3	1.7	1.2	0.9	0.8	0.9	1.2	1.9	2.7	3.1	3.2	3.0	2.5	1.9	1.3	0.9	0.6	0.5	0.7	1.3	
28		2.0	2.6	2.8	2.8	2.5	2.0	1.5	1.1	0.8	0.8	1.0	1.5	2.2	2.7	3.0	2.9	2.6	2.1	1.5	1.1	0.8	0.6	0.7	1.1	
29		1.7	2.4	2.7	2.8	2.6	2.3	1.7	1.3	1.0	0.8	0.9	1.2	1.7	2.3	2.6	2.7	2.6	2.2	1.7	1.3	0.9	0.8	0.7	1.0	
30		1.5	2.1	2.5	2.7	2.7	2.4	2.0	1.5	1.2	1.0	0.9	1.0	1.4	1.8	2.2	2.4	2.4	2.2	1.9	1.5	1.1	0.9	0.9	1.0	
31	☽	1.3	1.9	2.3	2.6	2.7	2.5	2.2	1.9	1.5	1.2	1.1	1.0	1.2	1.5	1.8	2.0	2.1	2.0	1.9	1.6	1.3	1.1	1.1	1.1	

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Heights in Metres

**Tuas**

Lat 01 17.4'N Long 103 39.9'E

DAY/HR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Time Zone +0800
1		1.3	1.6	2.1	2.4	2.5	2.5	2.4	2.1	1.8	1.5	1.3	1.2	1.1	1.2	1.4	1.6	1.7	1.8	1.7	1.6	1.5	1.4	1.3	1.3	
2		1.3	1.5	1.8	2.1	2.3	2.4	2.4	2.3	2.2	1.9	1.7	1.5	1.3	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.6	1.5	1.5	
3		1.4	1.4	1.6	1.8	2.0	2.2	2.4	2.4	2.4	2.3	2.1	1.8	1.6	1.3	1.2	1.1	1.0	1.1	1.3	1.4	1.6	1.7	1.8	1.7	
4		1.6	1.5	1.4	1.5	1.6	1.9	2.1	2.4	2.6	2.6	2.5	2.3	1.9	1.6	1.3	1.0	0.9	0.8	1.0	1.2	1.5	1.8	2.0	2.0	
5		1.8	1.6	1.4	1.3	1.3	1.5	1.8	2.2	2.5	2.8	2.8	2.7	2.3	1.9	1.5	1.1	0.8	0.7	0.7	1.0	1.4	1.8	2.1	2.2	
6		2.1	1.9	1.5	1.3	1.2	1.2	1.4	1.8	2.3	2.8	3.0	3.0	2.7	2.3	1.8	1.3	0.9	0.6	0.5	0.7	1.1	1.7	2.2	2.4	
7		2.4	2.2	1.8	1.4	1.1	1.0	1.1	1.4	1.9	2.6	3.1	3.2	3.1	2.7	2.1	1.5	1.1	0.7	0.5	0.5	0.8	1.4	2.1	2.5	
8	☉	2.6	2.5	2.1	1.6	1.2	0.9	0.9	1.0	1.4	2.1	2.9	3.3	3.3	3.1	2.5	1.9	1.3	0.9	0.6	0.4	0.5	1.0	1.8	2.5	
9		2.7	2.8	2.5	2.0	1.4	1.0	0.8	0.8	1.0	1.5	2.4	3.1	3.4	3.3	2.9	2.3	1.6	1.0	0.7	0.5	0.4	0.7	1.4	2.3	
10		2.8	2.9	2.8	2.4	1.8	1.2	0.8	0.7	0.7	1.0	1.7	2.6	3.2	3.4	3.2	2.7	2.0	1.3	0.8	0.5	0.4	0.5	1.0	1.9	
11		2.6	2.9	3.0	2.7	2.2	1.6	1.0	0.7	0.6	0.7	1.2	2.0	2.8	3.2	3.2	3.0	2.4	1.7	1.1	0.7	0.5	0.5	0.8	1.4	
12		2.3	2.9	3.0	3.0	2.6	2.0	1.4	0.9	0.6	0.6	0.8	1.3	2.2	2.8	3.1	3.0	2.7	2.0	1.4	0.9	0.6	0.5	0.7	1.1	
13		1.9	2.6	3.0	3.1	2.9	2.4	1.7	1.2	0.8	0.6	0.6	0.9	1.5	2.2	2.6	2.8	2.7	2.3	1.7	1.2	0.9	0.7	0.7	1.0	
14		1.5	2.2	2.8	3.0	3.0	2.7	2.2	1.6	1.1	0.8	0.7	0.8	1.1	1.6	2.1	2.4	2.4	2.3	2.0	1.5	1.2	0.9	0.9	1.0	
15	☾	1.3	1.8	2.4	2.8	2.9	2.8	2.5	2.1	1.6	1.2	0.9	0.8	0.9	1.1	1.5	1.8	2.0	2.1	2.0	1.7	1.5	1.2	1.1	1.1	
16		1.3	1.5	1.9	2.3	2.7	2.8	2.7	2.5	2.1	1.7	1.4	1.2	1.0	1.0	1.1	1.2	1.4	1.6	1.7	1.8	1.7	1.6	1.4	1.3	
17		1.3	1.4	1.6	1.9	2.2	2.5	2.6	2.6	2.5	2.3	2.0	1.6	1.4	1.1	1.0	0.9	1.0	1.1	1.3	1.6	1.7	1.8	1.8	1.7	
18		1.5	1.4	1.4	1.5	1.7	1.9	2.3	2.6	2.7	2.7	2.5	2.2	1.8	1.5	1.1	0.9	0.7	0.7	0.9	1.2	1.6	1.9	2.1	2.1	
19		1.9	1.6	1.4	1.3	1.3	1.4	1.7	2.2	2.6	2.9	2.9	2.7	2.4	1.9	1.4	1.0	0.7	0.5	0.5	0.8	1.3	1.8	2.2	2.3	
20		2.2	1.9	1.6	1.3	1.1	1.1	1.2	1.6	2.2	2.8	3.0	3.0	2.8	2.4	1.8	1.3	0.9	0.6	0.4	0.5	1.0	1.6	2.1	2.4	
21		2.5	2.3	1.9	1.4	1.1	0.9	0.9	1.1	1.7	2.4	3.0	3.2	3.1	2.8	2.2	1.6	1.1	0.7	0.5	0.4	0.7	1.4	2.1	2.4	
22	●	2.6	2.6	2.2	1.7	1.2	0.9	0.8	0.9	1.2	1.9	2.7	3.1	3.2	3.0	2.6	1.9	1.3	0.9	0.6	0.5	0.5	1.1	1.9	2.4	
23		2.7	2.7	2.5	2.0	1.4	1.0	0.8	0.7	0.9	1.4	2.2	2.9	3.2	3.1	2.8	2.2	1.6	1.1							