H103
南海海区
SOUTH CHINA SEA

# 2009
# 潮汐表
# TIDE TABLES

中国人民解放军海军司令部航海保证部
THE NAVIGATION GUARANTEE DEPARTMENT OF THE CHINESE NAVY HEADQUARTERS
2008 年

H103

# 2009
# 潮 汐 表
# TIDE TABLES

南海海区
SOUTH CHINA SEA

中国人民解放军海军司令部航海保证部
THE NAVIGATION GUARANTEE DEPARTMENT OF
THE CHINESE NAVY HEADQUARTERS
2008 年

**图书在版编目（CIP）数据**

潮汐表：2009. 南海海区 / 中国人民解放军海军司令部航海保证部编制 . — 天津 ：中国航海图书出版社，2008.3
ISBN 978-7-80224-690-4

Ⅰ.潮... Ⅱ.中... Ⅲ.南海—潮汐表—2009 Ⅳ.U675.82

中国版本图书馆 CIP 数据核字(2008)第 022861 号

H103

# 潮 汐 表

## 南海海区

## 2009

☆

中国人民解放军海军司令部航海保证部编制
中国航海图书出版社出版发行
天津市塘沽区上海道 1716 号 邮政编码：300450
电话：(022)25858611 传真：(022)25858600
中国人民解放军第 4210 工厂印刷

☆

开本 880×1230 1/16 印张 17
2008 年 6 月第 1 版 2008 年 6 月第 1 次印刷
印数：1—7 000 册
ISBN 978-7-80224-690-4
JS(2008)02-032
定价：37.00 元

# 使 用 说 明

中国人民解放军海军司令部航海保证部编制的《潮汐表》共分四册，包括黄、渤海海区（H101），东海海区（H102），南海海区（H103），太平洋北西部（H104）。

**概述**

潮汐表中刊载每日潮汐发生时间和高度的港口称为主港，通常为重要港口或能代表某类潮汐特征。如果两个港口的潮汐特征类似，其间有近似不变的潮差比和潮时差，并能利用其中一个主港的每日高、低潮预报，通过两港之间的差比关系推算另一港口的潮汐，则根据这种关系推算潮汐的港口称为附港。

在本表中，列出了主港每日高、低潮的潮高极值和时间，并对部分主港更详细地列出了每日正点潮高。表中日期下面的 ● ☽ ○ ☾ 符号分别表示月亮的朔、上弦、望、下弦四种月相；S、N、E 字母分别表示月亮的赤纬最南、最北、最小三个极值。

潮高基准面是潮汐表预报潮高起算面，海图深度基准面是海图水深的起算面。我部出版的《潮汐表》与海图，其潮高基准面和海图深度基准面是一致的，因此某一时刻的实际水深等于大比例尺海图上标注的水深与该时刻的潮高值之和。

如果发现潮高基准面与所使用的海图深度基准面不一致，实际计算水深时须加以订正：某地某时实际水深 = 当地大比例尺海图上标注的水深 + 该时预报潮高 +（当地海图深度基准面 - 潮高基准面）。

平均海面是一定时期内海水面的平均位置，用潮高基准面至平均海面的高度来表示。一般经过长时期的潮汐观测计算得来。

各港站所列时间均以各自所在地区的标准时为准。其中中国沿海各港站潮高预报及月赤纬极值、月相、月中天发生时间均采用北京标准时，即东 8 时区时。

正常情况下，《潮汐表》预报潮时误差在 20 ~ 30 分钟以内，潮高误差在 20 ~ 30 厘米以内。在预报值中不包括由于气象及其它随机因素而引起的误差，特殊情况下，如处在江、河口的预报点或有台风、寒潮、洪水等因素影响时误差较大，使用时请注意。

**潮汐要素**

海水由于受到月亮和太阳的引力作用而产生周期性的升降（涨落）运动的现象叫做潮汐。在潮汐升降的每一周期中，当海面涨至最高时为高潮，当海面降至最低时为低潮。从低潮到高潮的过程中，海面逐渐升涨为涨潮；从高潮到低潮的过程中，海面逐渐下落为落潮。相邻的高潮与低潮的水位高度差为潮差。从低潮时至高潮时所经历的时间为涨潮时间；从高潮时至低潮时所经历的时间为落潮时间。

在朔或望（农历初一或十五）后的 2 - 3 天达到半个月中的潮差最大为大潮；在上弦或下弦（农历初七、初八或廿二、廿三）后的 2 - 3 天达到半个月中的潮差最小为小潮。

**潮汐类型**

潮汐的性质可以分为四种类型：

1、半日潮：在一个太阴日内（约 24 小时 50 分钟），发生两次高潮和低潮，且相邻的高潮（低潮）的潮高大致相等，涨落潮持续时间亦很接近。

2、全日潮：在半个月中，一天出现一次高潮和一次低潮的天数超过 7 天，而其余天数为混

合潮性质。

3、不正规半日混合潮：它基本具有半日潮的特征，在一个太阴日内，有两次高潮和低潮，但相邻的高潮（低潮）的潮高相差很大，涨潮和落潮持续时间也不相等。

4、不正规日潮混合潮：在半个月中，一天出现一次高潮和一次低潮的天数不超过7天，而多数天为一天两次高潮和两次低潮的不正规半日潮。

**海图潮信表**

海图上刊载的潮信表为航海人员提供了部分主、附港的潮汐情况，对半日潮港列出了平均潮汐间隙和平均大（小）潮升等数据；对混合潮港和日潮港分别列出了回归潮期间的平均潮汐间隙和潮高及分点潮期间的平均潮汐间隙和潮高等数据。

高潮间隙就是某地月上（下）中天时刻至发生高潮时的时间间隔；低潮间隙就是某地月上（下）中天时刻至发生低潮时的时间间隔。平均大潮升即自深度基准面至平均大潮高潮面的高度，是大潮期间高潮的平均潮高；平均小潮升即自深度基准面至平均小潮高潮面的高度，是小潮期间高潮的平均潮高。

日潮不等就是两相邻高潮的潮高或两相邻低潮的潮高常有不相等的现象；回归潮就是当月球赤纬位于最北或最南附近时（月赤纬最大时），所产生的日潮不等为最大时的潮汐；分点潮则为当月球位于赤道附近时（月赤纬最小时），日潮不等很小，两相邻高潮或低潮的潮高约相等时的潮汐。

**潮信表使用**

根据潮信表提供的数据可以粗略地推算出该海区的潮时和潮高，但有一定的误差，有时甚至与实测水位相差较大，使用时请注意。现把推算方法介绍如下：

1、半日潮型潮信表

（1）求潮时

高潮时 = 月上（下）中天时 + 平均高潮间隙

低潮时 = 月上（下）中天时 + 平均低潮间隙

（2）求潮高

高潮高 = 大潮升 -（大潮升 - 小潮升）/7 × 日数　　（日数指与大潮时相隔天数）

低潮高 = 2 × 平均海面 - 高潮高

例：求南鹏岛2009年8月8日的大概潮时和潮高。

解：根据海图查得南鹏岛潮信表为

| 地 点 | 位 置 | 平均高潮间隙 | 平均低潮间隙 | 大潮升 | 小潮升 | 平均海面 |
|---|---|---|---|---|---|---|
| 南鹏岛 | 21°33′N<br>112°11′E | 09h25min | 03h35min | 2.40m | 1.94m | 1.60m |

从潮汐表中查知2009年8月8日的月上中天时刻为01时13分，月下中天时刻为13时34分。则：

（1）求潮时

第一次低潮时 = 01时13分 + 03时35分 = 04时48分

第一次高潮时 = 01时13分 + 09时25分 = 10时38分

第二次低潮时 = 13时34分 + 03时35分 = 17时09分

第二次高潮时 =13 时 34 分 +09 时 25 分 =22 时 59 分

(2)求潮高

从潮汐表中查知,8 月 8 日在大潮后的天数大约为 1 天,则:

高潮高 =240 -(240 -194)/7 ×1 =233 厘米

低潮高 =2 ×160 -233 =87 厘米

2、混合潮型和日潮型潮信表

(1)求潮时

①当所求日期在月赤纬 0°或接近 0°时

高潮时 = 月上(下)中天时 + 平均高潮间隙

低潮时 = 月上(下)中天时 + 平均低潮间隙

②当所求日期在月赤纬最大或接近最大时

高(低)高潮潮时 = 月上(下)中天时 + 平均高(低)高潮间隙

高(低)低潮潮时 = 月上(下)中天时 + 平均高(低)低潮间隙

(2)求潮高

①当所求日期在月赤纬最大或最小时,则推算潮高为潮信表所列潮高;

②当所求日期在月赤纬最小(最大)与最大(最小)之间时,则分别用下列各式计算:

A、若所求日期在月赤纬最小与最大之间

高(低)高潮潮高 = 月赤纬 0°的平均高潮潮高 - T · △h

高(低)低潮潮高 = 月赤纬 0°的平均低潮潮高 - T · △h

B、若所求日期在月赤纬最大与最小之间

高(低)高潮潮高 = 月赤纬最大时的平均高(低)高潮潮高 + T · △h

高(低)低潮潮高 = 月赤纬最大时的平均高(低)低潮潮高 + T · △h

其中:T 为月赤纬最小(或最大)至所求日期的时间间隔天数;

△h = 潮位日差 =(月赤纬 0°的平均潮高 - 月赤纬最大时的平均潮高)/D,D 为月赤纬最小(最大)与最大(最小)的时间间隔天数。

例:求北津港 2009 年 5 月 10 日的大概潮时和潮高。

解:根据海图查得北津港潮信表为

| 地点 | 位置 | 潮面 | 月赤纬 0°时 | | 潮面 | 月赤纬最大时(月上中天) | | | 平均海面 |
|---|---|---|---|---|---|---|---|---|---|
| | | | 平均潮汐间隙 | 平均潮高 | | 平均潮汐间隙 | | 平均潮高 | |
| | | | | | | 北赤纬 | 南赤纬 | | |
| 北津港 | 21°48′ N<br>112°01′ E | 高潮<br>低潮 | 09h46min<br>04h15min | 2.12m<br>0.69m | 高高潮<br>低高潮<br>低低潮<br>高低潮 | 21h42min<br>10h41min<br>05h08min<br>15h18min | 09h17min<br>23h06min<br>17h32min<br>02h54min | 2.59m<br>1.34m<br>0.36m<br>1.22m | 1.40m |

从潮汐表中查知 2009 年 5 月 10 日在月球赤纬最南时的前 2 天,月上中天时刻为 00 时 15 分。则:

(1)求潮时

高高潮潮时 =00 时 15 分 +09 时 17 分 =09 时 32 分

低高潮潮时 =00 时 15 分 +23 时 06 分 =23 时 21 分

低低潮潮时 =00 时 15 分 +17 时 32 分 =17 时 47 分

高低潮潮时 =00 时 15 分 +02 时 54 分 =03 时 09 分

(2)求潮高

从潮汐表中查知,5 月 10 日在月赤纬最小和最大之间,T =6,D =8,按 A 式计算潮高。则:

高高潮潮高 =212 - T · $\triangle h_1$ =212 -6 ×[(212 -259)/8] =247 厘米

低高潮潮高 =212 - T · $\triangle h_2$ =212 -6 ×[(212 -134)/8] =154 厘米

低低潮潮高 =69 - T · $\triangle h_3$ =69 -6 ×[(69 -36)/8] =44 厘米

高低潮潮高 =69 - T · $\triangle h_4$ =69 -6 ×[(69 -122)/8] =109 厘米

# Operation Manual

The Chinese Tide Tables are compiled by the Navigation Guarantee Department of the Chinese Navy Headquarters in four volumes including:

Bohai Sea and Yellow Sea: (Pub No. H101)

East China Sea: (Pub No. H102)

South China Sea: (Pub No. H103)

Northwest Pacific Ocean: (Pub No. H104)

**Summarization**

Ports published the time and the height of daily tide in Tide Tables are called Standard Ports, which usually to be important ports or represent some kinds of tidal characters. If the tidal characters between the two ports is similar or there exists almost the same ratio of tidal ranges and time difference of tide, moreover, according to daily high low water predictions of one of the standard ports and difference relation between the two ports, the tide of the other port can be calculated, so those ports are called Secondary Ports, tide of which can be calculated through the above connections.

The tidal height extrema and times of daily high low water of standard ports are listed in this table and the daily height of tide at the expected time is shown more particularly at some standard ports. The symbols ● ☽ ○ ☾ S N E below the dates in these tables indicate respectively New Moon, First Quarter, Full Moon, Last Quarter, Declination Maximum South, Declination Maximum North and Declination Minimum.

All predicted heights are given above Tide Height Datum and chart depths are given above Chart Depth Datum. Tide Height Datum is the same as Chart Depth Datum between Tide Tables published by our department and charts, so the actual depth is the sum of depth on large - scale chart and tidal height.

When Tidal Datum is not the same as Chart Depth Datum, the actual depth should be calculated as follows: the actual depth = depth on large - scale chart + predicted height + (Chart Depth Datum - Tidal Datum).

MSL (mean sea level) is the average level of the sea surface in a certain period of time. MSL is to be shown by the height from Tide Height Datum to MSL and generally calculated from tidal observations over a long period.

All times of predictions are given in the official standard time kept at the place. Those times of predictions of height of tide at ports and places of China coast, moon declination extremum, lunar phases and moon culmination are given in Beijing Standard Time, i. e. time zone: -0800.

Normally in Tide Tables, errors in predicted tidal times is within 20 ~ 30 minutes and errors in predicted heights is within 20 ~ 30 cm. The effects of meteorological conditions and other random factors on tidal heights are not included in all predicted heights. Errors might be large in special circumstances such as at predicted station of estuary or under the effects of typhoon, cold wave and floodwater and so on factors. Caution should be taken in use.

**Tidal Factors**

Tide is the regular and continuous fluctuating change in the level of the sea affected by gravitation of moon and sun. In the tidal cycle, the maximum height reached in a rising tide is to be called High Tide and the minimum height reached in a falling tide is to be called Low Tide. In the course of low tide to high tide, when the sea level is rising to a higher level, it is called Flood Tide. In the course of high tide to low tide, when the sea level is falling to a lower level, it is called Ebb Tide.

Tidal Range is the difference in height between a high tide and the succeeding or preceding low tide. The Duration of Flood is the length of time from low tide to high tide; the Duration of Ebb is the length of time from high tide to low tide.

Spring Tides: semi – diurnal tides of the largest range occuring 2 – 3 days after the moon is new or full; Neap Tides: tides of the smallest range occuring 2 – 3 days after the moon is at its first or last quarter.

**Tidal Pattern**

There are four tidal patterns as follows:

1. Semi – diurnal Tide: there are two high tides and two low tides in a lunar day (about 24hrs and 50mins). The height of tide between a high tide (low tide) and the succeeding or preceding high tide (low tide) is approximately the same; the duration of flood and ebb is also approximate.

2. Diurnal Tide: In half a month, the number of days is more than 7 days in which there appears one high tide and one low tide, other days are compound tide.

3. Irregular Semi – diurnal Compound Tide: Basically its characters is as much as semi – diurnal tide. There are two high tides and two low tides in a lunar day. The height of tide between a high tide (low tide) and the succeeding or preceding high tide (low tide) is different; the duration of flood and ebb is not equal, too.

4. Irregular Diurnal Tide: In half a month, the number of days is less than 7days in which there appears one high tide and one low tide, other majority of days are irregular semi – diurnal tide in which there appear two high tides and two low tides.

**Table of Tidal Signal on Chart**

Table of tidal signal on chart provides many data for navigators: tide situations of parts of standard ports and secondary ports, mean – tidal intervals and mean tidal rise, etc for semi – diurnal tide ports, mean – tidal intervals and heights during tropical tide and equinoctial tide respectively for compound tide ports and diurnal tide ports, etc.

High Tide Interval is the time interval from lunar upper ( lower ) culmination to high tide; Low Tide Interval is the time interval from lunar upper ( lower ) culmination to low tide; Mean Spring Rise is the height between depth datum and mean high water springs level and the mean height of high tide during spring tide; Mean Neap Rise is the height between depth datum and mean high water neaps level and the mean height of high tide during neap tide.

Diurnal Inequality of Tide is the phenomenon that the height of tide between a high tide (low tide) and the succeeding or preceding high tide (low tide) is constant inequality. Tropical Tide is the tide when diurnal inequality of tide is maximal caused while the maximal moon declination coming. Equinoctial Tide is the tide when the moon declination is minimal, diurnal inequality of tide is much little, the height of tide between a high tide (low tide) and the succeeding or preceding high tide (low tide) is approximately the same.

**Tide Tables**

According to the data shown in tide tables, time of tide and height of tide for certain sea area can be approximately calculated, however there exists some errors and sometimes differs greatly from the actual surveyed water levels. Care should be taken when using it. Calculating methods are listed as follows:

1. Tabular statement of semidiurnal tide

(1) to find the time of tide

time of high water = upper (lower) culmination time + mean high water lunitidal interval

time of low water = upper (lower) culmination time + mean low water lunitidal interval

(2) to find the height of tide

height of high water = spring rise − (spring rise − neap rise)/7 × days (days refer to the interval days with the time of spring tide)

height of low water = 2 × MSL − height of high water

For example: to calculate the approximate time and height of tide of Nanpeng Dao on August 8, 2009.

Analysis: The tide table of Nanpeng Dao consulted from chart is listed as follows:

| place | position | MHW lunitidal interval | MLW lunitidal interval | spring rise | neap rise | MSL |
|---|---|---|---|---|---|---|
| Nanpeng Dao | 21°33′N 112°11′E | 09h25min | 03h35min | 2.40m | 1.94m | 1.60m |

As shown in tide table, upper culmination time on August 8, 2009 is 01h13min, lower culmination time is 13h34min, thus:

(1) to find the time of tide

the first time of low water = 01h13min + 03h35min = 04h48min

the first time of high water = 01h13min + 09h25min = 10h38min

the second time of low water = 13h34min + 03h35min = 17h09min

the second time of high water = 13h34min + 09h25min = 22h59min

(2) to find the height of tide

As shown in tide table, approximate days after spring tide on August 8 is 1 day, thus:

height of high water = 240 − (240 − 194)/7 × 1 = 233cm

height of low water = 2 × 160 − 233 = 87cm

2. Tabular statement of mixed tide and diurnal tide

(1) to find the time of tide

① to find the date at 0°or approaching to 0°of the moon declination

time of high water = upper (lower) culmination time + MHW lunitidal interval

time of low water = upper (lower) culmination time + MLW lunitidal interval

② to find the date at the maximum or approaching to maximum of the moon declination

time of HHW(LHW) = upper (lower) culmination time + MHHW (MLHW) lunitidal interval

time of HLW(LLW) = upper (lower) culmination time + MHLW (MLLW) lunitidal interval

(2) to find the height of tide

① to find the date at the maximum or minimum of the moon declination, the calculating height of tide is listed in this table;

② to find the date between the minimum (maximum) and maximum (minimum) of the moon declination, the calculating methods are listed follows:

A. to find the date between the minimum and maximum of the moon declination

height of HHW(LHW) = mean height of high tide at 0°of moon declination − T · △h

height of HLW(LLW) = mean height of low tide at 0°of moon declination − T · △h

B. to find the date between the maximum and minimum of the moon declination

height of HHW(LHW) = mean height of HHW (LHW) of moon declination at maximum + T · △h

height of HLW(LLW) = mean height of HLW (LLW) of moon declination at maximum + T · △h

Thereinto: T represents the interval days from moon declination at minimum (or maximum) to the time as requested;

△h = tidal level range per day = (mean height of the tide at 0° − mean height of the tide at

maximum of moon declination )/D, D represents the interval days from minimum (maximum) to maximum of moon declination.

For example: to calculate the approximate time and height of tide of Beijin Gang on May 10, 2009.

Analysis: the tide table of Beijin Gang consulted from charts is listed as follows:

| place | position | tide level | moon declination at 0° | | tide level | moon declination at maximum (upper culmination) | | | MSL |
|---|---|---|---|---|---|---|---|---|---|
| | | | mean tide interval | mean height tide | | mean tide interval | | mean height tide | |
| | | | | | | N declination | S declination | | |
| Beijin Gang | 21°48′ N<br>112°01′ E | HW<br>LW | 09h46min<br>04h15min | 2.12m<br>0.69m | HHW<br>LHW<br>LLW<br>HLW | 21h42min<br>10h41min<br>05h08min<br>15h18min | 09h17min<br>23h06min<br>17h32min<br>02h54min | 2.59m<br>1.34m<br>0.36m<br>1.22m | 1.40m |

As shown in tide table, May 10, 2009 is 2 days previous to the Moon Declination Maximum South, upper culmination time is 00h15min, thus:

(1) to find the time of tide

time of HHW = 00h15min + 09h17min = 09h32min

time of LHW = 00h15min + 23h06min = 23h21min

time of LLW = 00h15min + 17h32min = 17h47min

time of HLW = 00h15min + 02h54min = 03h09min

(2) to find the height of tide

As shown in tide table, May 10 is between the minimum and maximum of moon declination, T = 6, D = 8, calculating the height of tide should follow the calculating way of A, thus:

height of HHW = $212 - T \cdot \triangle h_1 = 212 - 6 \times [(212 - 259)/8] = 247$cm

height of LHW = $212 - T \cdot \triangle h_2 = 212 - 6 \times [(212 - 134)/8] = 154$cm

height of LLW = $69 - T \cdot \triangle h_3 = 69 - 6 \times [(69 - 36)/8] = 44$cm

height of HLW = $69 - T \cdot \triangle h_4 = 69 - 6 \times [(69 - 122)/8] = 109$cm

# 目　　录

## CONTENTS

# 云　澳　湾
## YUN'AO WAN

2009 年　　纬度:23°24′N　　经度:117°06′E　　潮汐表

### 1 月 Jan.

| | 潮时 Time | 潮高 cm | | 潮时 Time | 潮高 cm |
|---|---|---|---|---|---|
| 1 | 03 06 | 211 | 17 | 05 09 | 207 |
| | 08 40 | 66 | | 10 07 | 83 |
| | 16 35 | 237 | | 17 37 | 228 |
| | 20 51 | 145 | | 23 18 | 93 |
| 2 | 03 54 | 213 | 18 ☾ | 06 05 | 194 |
| | 09 26 | 76 | | 11 00 | 98 |
| | 17 08 | 238 | | 18 11 | 217 |
| | 21 44 | 136 | | | |
| 3 E | 04 47 | 206 | 19 | 00 35 | 76 |
| | 10 11 | 79 | | 07 09 | 182 |
| | 17 42 | 231 | | 12 01 | 114 |
| | 22 38 | 117 | | 18 45 | 207 |
| 4 ☽ | 05 49 | 195 | 20 | 01 45 | 63 |
| | 10 55 | 81 | | 08 30 | 175 |
| | 18 15 | 222 | | 13 18 | 131 |
| | 23 35 | 96 | | 19 22 | 197 |
| 5 | 06 58 | 187 | 21 | 02 52 | 54 |
| | 11 42 | 90 | | 10 16 | 177 |
| | 18 46 | 214 | | 14 55 | 144 |
| | | | | 20 00 | 190 |
| 6 | 00 43 | 77 | 22 S | 03 49 | 48 |
| | 08 12 | 186 | | 12 01 | 192 |
| | 12 40 | 108 | | 16 19 | 151 |
| | 19 13 | 210 | | 20 45 | 186 |
| 7 | 01 56 | 60 | 23 | 04 40 | 44 |
| | 09 37 | 194 | | 12 54 | 209 |
| | 13 55 | 128 | | 17 15 | 152 |
| | 19 30 | 209 | | 22 05 | 187 |
| 8 | 03 01 | 44 | 24 | 05 24 | 40 |
| | 11 02 | 211 | | 13 30 | 220 |
| | 15 05 | 143 | | 17 54 | 149 |
| | 19 57 | 211 | | 23 14 | 192 |
| 9 N | 03 57 | 30 | 25 | 06 00 | 37 |
| | 12 11 | 228 | | 13 59 | 226 |
| | 16 06 | 150 | | 18 22 | 145 |
| | 20 43 | 212 | | | |
| 10 | 04 48 | 19 | 26 ● | 00 08 | 197 |
| | 13 08 | 238 | | 06 29 | 37 |
| | 17 02 | 151 | | 14 22 | 228 |
| | 21 45 | 213 | | 18 38 | 141 |
| 11 ○ | 05 39 | 12 | 27 | 00 58 | 203 |
| | 14 00 | 242 | | 06 51 | 39 |
| | 17 56 | 146 | | 14 43 | 228 |
| | 22 51 | 212 | | 18 52 | 134 |
| 12 | 06 30 | 10 | 28 | 01 43 | 208 |
| | 14 47 | 244 | | 07 14 | 45 |
| | 18 45 | 138 | | 15 04 | 229 |
| | | | | 19 14 | 128 |
| 13 | 01 03 | 212 | 29 | 02 27 | 212 |
| | 07 15 | 16 | | 07 40 | 54 |
| | 15 29 | 247 | | 15 30 | 232 |
| | 19 30 | 131 | | 19 44 | 122 |
| 14 | 02 30 | 217 | 30 E | 03 09 | 216 |
| | 07 58 | 30 | | 08 10 | 65 |
| | 16 04 | 247 | | 15 57 | 235 |
| | 20 13 | 124 | | 20 21 | 115 |
| 15 E | 03 27 | 221 | 31 | 03 54 | 218 |
| | 08 39 | 48 | | 08 45 | 76 |
| | 16 36 | 244 | | 16 26 | 236 |
| | 21 00 | 117 | | 21 05 | 105 |
| 16 | 04 17 | 217 | | | |
| | 09 21 | 66 | | | |
| | 17 06 | 237 | | | |
| | 21 59 | 107 | | | |

### 2 月 Feb.

| | 潮时 Time | 潮高 cm | | 潮时 Time | 潮高 cm |
|---|---|---|---|---|---|
| 1 | 04 42 | 218 | 17 ☾ | 06 32 | 190 |
| | 09 23 | 87 | | 11 16 | 125 |
| | 16 55 | 236 | | 17 42 | 205 |
| | 21 51 | 92 | | | |
| 2 | 05 33 | 215 | 18 | 00 46 | 56 |
| | 10 03 | 99 | | 07 36 | 176 |
| | 17 23 | 234 | | 12 22 | 135 |
| | 22 43 | 80 | | 18 15 | 191 |
| 3 ☽ | 06 32 | 210 | 19 S | 01 58 | 52 |
| | 10 49 | 114 | | 09 12 | 164 |
| | 17 49 | 228 | | 13 47 | 143 |
| | 23 47 | 68 | | 18 55 | 178 |
| 4 | 07 42 | 204 | 20 | 03 11 | 48 |
| | 11 49 | 132 | | 11 30 | 168 |
| | 18 13 | 220 | | 15 45 | 144 |
| | | | | 19 50 | 168 |
| 5 N | 01 09 | 55 | 21 | 04 11 | 43 |
| | 09 05 | 200 | | 12 30 | 178 |
| | 13 13 | 145 | | 16 50 | 139 |
| | 18 39 | 211 | | 21 00 | 167 |
| 6 | 02 26 | 40 | 22 | 04 59 | 40 |
| | 10 39 | 205 | | 13 06 | 189 |
| | 14 34 | 149 | | 17 31 | 135 |
| | 19 30 | 202 | | 22 30 | 175 |
| 7 | 03 32 | 27 | 23 | 05 35 | 43 |
| | 11 50 | 217 | | 13 30 | 201 |
| | 15 41 | 148 | | 17 56 | 134 |
| | 21 30 | 199 | | 23 50 | 191 |
| 8 | 04 30 | 22 | 24 | 06 04 | 51 |
| | 12 47 | 227 | | 13 50 | 213 |
| | 16 41 | 143 | | 18 10 | 133 |
| | 23 15 | 208 | | | |
| 9 ○ | 05 22 | 23 | 25 ● | 00 53 | 208 |
| | 13 37 | 237 | | 06 30 | 62 |
| | 17 36 | 137 | | 14 08 | 223 |
| | | | | 18 30 | 128 |
| 10 | 00 28 | 220 | 26 E | 01 39 | 221 |
| | 06 10 | 32 | | 06 55 | 72 |
| | 14 19 | 245 | | 14 30 | 227 |
| | 18 24 | 129 | | 18 56 | 117 |
| 11 | 01 34 | 232 | 27 | 02 22 | 227 |
| | 06 52 | 46 | | 07 24 | 77 |
| | 14 55 | 249 | | 14 55 | 225 |
| | 19 09 | 120 | | 19 30 | 99 |
| 12 E | 02 30 | 239 | 28 | 03 05 | 225 |
| | 07 32 | 63 | | 07 57 | 79 |
| | 15 26 | 249 | | 15 23 | 216 |
| | 19 53 | 110 | | 20 11 | 77 |
| 13 | 03 18 | 239 | | | |
| | 08 10 | 81 | | | |
| | 15 53 | 244 | | | |
| | 20 40 | 99 | | | |
| 14 | 04 03 | 231 | | | |
| | 08 48 | 95 | | | |
| | 16 19 | 236 | | | |
| | 21 34 | 86 | | | |
| 15 | 04 50 | 218 | | | |
| | 09 30 | 106 | | | |
| | 16 45 | 227 | | | |
| | 22 38 | 73 | | | |
| 16 | 05 39 | 204 | | | |
| | 10 21 | 116 | | | |
| | 17 12 | 217 | | | |
| | 23 43 | 62 | | | |

### 3 月 Mar.

| | 潮时 Time | 潮高 cm | | 潮时 Time | 潮高 cm |
|---|---|---|---|---|---|
| 1 | 03 50 | 216 | 17 | 05 30 | 202 |
| | 08 32 | 78 | | 10 07 | 116 |
| | 15 52 | 206 | | 16 15 | 196 |
| | 20 55 | 55 | | 22 58 | 41 |
| 2 | 04 40 | 206 | 18 S | 06 13 | 193 |
| | 09 10 | 80 | | 10 57 | 124 |
| | 16 22 | 197 | | 16 30 | 190 |
| | 21 41 | 37 | | 23 55 | 44 |
| 3 | 05 33 | 200 | 19 ☾ | 07 03 | 178 |
| | 09 53 | 88 | | 11 58 | 130 |
| | 16 52 | 194 | | 16 57 | 178 |
| | 22 31 | 28 | | | |
| 4 ☽ | 06 30 | 197 | 20 | 01 01 | 46 |
| | 10 43 | 102 | | 08 15 | 162 |
| | 17 19 | 194 | | 13 21 | 133 |
| | 23 32 | 28 | | 17 40 | 162 |
| 5 N | 07 34 | 196 | 21 | 02 20 | 45 |
| | 11 45 | 121 | | 10 45 | 158 |
| | 17 41 | 195 | | 15 12 | 129 |
| | | | | 18 50 | 149 |
| 6 | 00 42 | 33 | 22 | 03 28 | 41 |
| | 08 50 | 198 | | 11 49 | 164 |
| | 13 01 | 137 | | 16 19 | 118 |
| | 18 15 | 193 | | 20 05 | 145 |
| 7 | 01 59 | 38 | 23 | 04 19 | 37 |
| | 10 22 | 204 | | 12 30 | 172 |
| | 14 22 | 143 | | 17 00 | 107 |
| | 20 30 | 189 | | 22 00 | 148 |
| 8 | 03 20 | 40 | 24 | 05 00 | 37 |
| | 11 33 | 212 | | 13 00 | 180 |
| | 15 40 | 137 | | 17 26 | 97 |
| | 22 28 | 188 | | | |
| 9 | 04 23 | 37 | 25 E | 00 30 | 166 |
| | 12 31 | 214 | | 05 33 | 42 |
| | 16 45 | 122 | | 13 22 | 187 |
| | 23 57 | 192 | | 17 48 | 87 |
| 10 | 05 15 | 35 | 26 | 01 15 | 187 |
| | 13 21 | 212 | | 06 05 | 52 |
| | 17 37 | 100 | | 13 42 | 193 |
| | | | | 18 15 | 77 |
| 11 ○E | 01 04 | 196 | 27 ● | 01 51 | 206 |
| | 06 01 | 35 | | 06 37 | 66 |
| | 14 02 | 206 | | 14 01 | 199 |
| | 18 23 | 77 | | 18 46 | 68 |
| 12 | 02 00 | 200 | 28 | 02 29 | 223 |
| | 06 44 | 41 | | 07 12 | 83 |
| | 14 38 | 199 | | 14 25 | 204 |
| | 19 06 | 58 | | 19 24 | 59 |
| 13 | 02 46 | 202 | 29 | 03 08 | 235 |
| | 07 24 | 53 | | 07 48 | 98 |
| | 15 07 | 193 | | 14 49 | 207 |
| | 19 50 | 46 | | 20 05 | 48 |
| 14 | 03 30 | 204 | 30 | 03 51 | 240 |
| | 08 04 | 70 | | 08 30 | 109 |
| | 15 32 | 191 | | 15 15 | 208 |
| | 20 35 | 40 | | 20 49 | 36 |
| 15 | 04 11 | 206 | 31 | 04 38 | 238 |
| | 08 44 | 89 | | 09 09 | 117 |
| | 15 54 | 192 | | 15 44 | 206 |
| | 21 20 | 39 | | 21 35 | 26 |
| 16 | 04 50 | 206 | | | |
| | 09 24 | 104 | | | |
| | 16 08 | 195 | | | |
| | 22 06 | 39 | | | |

### 4 月 Apr.

| | 潮时 Time | 潮高 cm | | 潮时 Time | 潮高 cm |
|---|---|---|---|---|---|
| 1 N | 05 27 | 231 | 17 ☾ | 06 34 | 180 |
| | 09 53 | 121 | | 11 13 | 126 |
| | 16 14 | 203 | | 16 35 | 165 |
| | 22 25 | 21 | | | |
| 2 ☽ | 06 19 | 221 | 18 | 00 09 | 45 |
| | 10 45 | 127 | | 07 37 | 175 |
| | 16 49 | 199 | | 12 30 | 131 |
| | 23 25 | 25 | | 17 51 | 159 |
| 3 | 07 19 | 211 | 19 | 01 17 | 57 |
| | 11 52 | 133 | | 08 45 | 178 |
| | 17 30 | 194 | | 14 00 | 133 |
| | | | | 19 15 | 159 |
| 4 | 00 36 | 35 | 20 | 02 24 | 68 |
| | 08 38 | 204 | | 09 52 | 183 |
| | 13 16 | 135 | | 15 18 | 127 |
| | 18 30 | 186 | | 20 30 | 163 |
| 5 | 01 59 | 45 | 21 | 03 21 | 74 |
| | 10 03 | 205 | | 10 49 | 187 |
| | 14 40 | 128 | | 16 02 | 113 |
| | 21 04 | 179 | | 22 46 | 171 |
| 6 | 03 14 | 50 | 22 E | 04 09 | 75 |
| | 11 09 | 206 | | 11 30 | 187 |
| | 15 52 | 110 | | 16 35 | 92 |
| | 22 58 | 183 | | | |
| 7 E | 04 14 | 51 | 23 | 00 08 | 185 |
| | 12 03 | 201 | | 04 50 | 76 |
| | 16 47 | 86 | | 12 14 | 185 |
| | | | | 17 07 | 70 |
| 8 | 00 12 | 189 | 24 | 00 59 | 200 |
| | 05 05 | 51 | | 05 30 | 80 |
| | 12 51 | 194 | | 12 45 | 182 |
| | 17 33 | 60 | | 17 42 | 49 |
| 9 ○ | 01 11 | 198 | 25 ● | 01 40 | 214 |
| | 05 49 | 57 | | 06 07 | 87 |
| | 13 29 | 190 | | 13 12 | 180 |
| | 18 15 | 42 | | 18 20 | 31 |
| 10 | 01 59 | 210 | 26 | 02 20 | 225 |
| | 06 31 | 71 | | 06 46 | 97 |
| | 14 00 | 190 | | 13 31 | 179 |
| | 18 55 | 33 | | 19 01 | 17 |
| 11 | 02 41 | 222 | 27 | 03 03 | 231 |
| | 07 12 | 92 | | 07 30 | 108 |
| | 14 25 | 194 | | 11 47 | 185 |
| | 19 35 | 33 | | 19 47 | 8 |
| 12 | 03 19 | 231 | 28 N | 03 48 | 234 |
| | 07 51 | 112 | | 08 15 | 117 |
| | 14 47 | 198 | | 12 29 | 190 |
| | 20 15 | 36 | | 20 34 | 5 |
| 13 | 03 55 | 233 | 29 | 04 36 | 235 |
| | 08 26 | 126 | | 09 00 | 125 |
| | 15 06 | 198 | | 13 20 | 192 |
| | 20 53 | 37 | | 21 23 | 8 |
| 14 S | 04 30 | 225 | 30 | 05 24 | 233 |
| | 08 58 | 130 | | 09 47 | 132 |
| | 15 19 | 194 | | 15 30 | 193 |
| | 21 30 | 34 | | 22 16 | 18 |
| 15 | 05 04 | 210 | | | |
| | 09 32 | 127 | | | |
| | 15 30 | 185 | | | |
| | 22 13 | 32 | | | |
| 16 | 05 45 | 193 | | | |
| | 10 15 | 124 | | | |
| | 15 00 | 172 | | | |
| | 23 06 | 35 | | | |

时　区:东 8 时区
Time Zone: −0800

潮高基准面:在平均海面下 145 厘米。
Tidal datum:145cm below mean sea level.

# 云　澳　湾
## YUN'AO WAN

2009 年　　纬度:23°24′N　　经度:117°06′E　　潮汐表

| | 5 月 | | | May | | | 6 月 | | | Jun. | | | 7 月 | | | Jul. | | | 8 月 | | | Aug. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 潮时 Time | 潮高 cm | | 潮时 Time | 潮高 cm | | 潮时 Time | 潮高 cm | | 潮时 Time | 潮高 cm | | 潮时 Time | 潮高 cm | | 潮时 Time | 潮高 cm | | 潮时 Time | 潮高 cm | | 潮时 Time | 潮高 cm | |
| 1 | 06 15 | 227 | 17 | 07 03 | 186 | 1 | 00 12 | 50 | 17 | 00 23 | 59 | 1 | 00 36 | 74 | 17 | 00 30 | 79 | 1 | 02 20 | 119 | 17 | 02 21 | 151 | |
| | 10 45 | 136 | ☾ | 11 59 | 109 | E | 07 49 | 210 | | 07 47 | 189 | | 07 54 | 198 | | 06 45 | 177 | S | 07 42 | 167 | | 06 49 | 210 | |
| | 16 39 | 192 | | 17 59 | 149 | | 13 11 | 96 | | 13 10 | 73 | | 13 37 | 53 | | 13 19 | 27 | | 15 15 | 24 | | 15 07 | 31 | |
| | 23 18 | 31 | | | | | 19 56 | 177 | | 20 30 | 162 | | 21 04 | 184 | | 21 15 | 170 | | 23 25 | 175 | | 23 27 | 231 | |
| 2 | 07 13 | 218 | 18 | 00 18 | 37 | 2 | 01 14 | 67 | 18 | 01 18 | 75 | 2 | 01 38 | 100 | 18 | 01 35 | 96 | 2 | 03 58 | 126 | 18 | 03 35 | 153 | |
| ☽ | 11 59 | 135 | | 07 51 | 178 | | 08 44 | 200 | | 08 18 | 180 | | 08 30 | 192 | | 06 50 | 174 | | 08 21 | 161 | | 07 57 | 210 | |
| | 17 53 | 184 | | 12 59 | 98 | | 14 27 | 76 | | 14 11 | 55 | | 14 42 | 47 | | 14 30 | 13 | | 16 17 | 21 | | 16 13 | 27 | |
| | | | | 19 30 | 144 | | 21 24 | 177 | | 21 54 | 168 | | 22 22 | 193 | | 22 39 | 185 | | | | | | | |
| 3 | 00 27 | 45 | 19 | 01 12 | 49 | 3 | 02 24 | 84 | 19 | 02 25 | 89 | 3 | 02 51 | 125 | 19 | 02 49 | 115 | 3 | 00 38 | 188 | 19 | 00 31 | 244 | |
| | 08 22 | 209 | E | 08 36 | 177 | | 09 36 | 190 | | 08 30 | 171 | | 09 04 | 189 | N | 07 19 | 179 | | 05 03 | 127 | | 04 38 | 150 | |
| | 13 24 | 123 | | 14 03 | 90 | | 15 27 | 56 | | 15 12 | 33 | | 15 41 | 47 | | 15 30 | 6 | | 09 10 | 159 | | 09 30 | 214 | |
| | 19 30 | 174 | | 20 50 | 151 | | 22 45 | 182 | | 23 15 | 185 | | 23 47 | 211 | | 23 52 | 211 | | 17 10 | 19 | | 17 10 | 27 | |
| 4 | 01 44 | 55 | 20 | 02 16 | 67 | 4 | 03 30 | 97 | 20 | 03 30 | 101 | 4 | 04 12 | 147 | 20 | 03 58 | 132 | 4 | 01 26 | 201 | 20 | 01 26 | 254 | |
| | 09 30 | 200 | | 09 21 | 179 | | 10 23 | 180 | | 08 03 | 172 | | 08 00 | 191 | | 08 06 | 190 | | 05 51 | 125 | ● | 05 32 | 141 | |
| | 14 49 | 102 | | 15 08 | 79 | | 16 15 | 37 | | 16 04 | 17 | | 16 37 | 52 | | 16 30 | 4 | | 10 10 | 162 | | 12 22 | 221 | |
| | 21 30 | 170 | | 22 30 | 166 | | 23 57 | 189 | | | | | | | | | | | 17 52 | 18 | | 18 01 | 31 | |
| 5 | 02 58 | 62 | 21 | 03 21 | 83 | 5 | 04 31 | 106 | 21 | 00 18 | 210 | 5 | 00 58 | 235 | 21 | 00 56 | 234 | 5 | 02 01 | 210 | 21 | 02 13 | 258 | |
| E | 10 29 | 192 | | 10 15 | 181 | | 11 02 | 170 | | 04 30 | 116 | S | 05 18 | 162 | | 05 00 | 142 | | 06 26 | 123 | | 06 22 | 126 | |
| | 15 52 | 77 | | 15 59 | 63 | | 17 00 | 23 | | 08 35 | 182 | | 09 30 | 200 | | 09 06 | 202 | | 11 54 | 169 | | 13 40 | 230 | |
| | 22 57 | 176 | | 23 47 | 190 | | | | | 16 54 | 9 | | 17 30 | 56 | | 17 27 | 4 | | 18 27 | 21 | | 18 47 | 37 | |
| 6 | 03 58 | 68 | 22 | 04 15 | 94 | 6 | 01 00 | 198 | 22 | 01 14 | 235 | 6 | 01 46 | 255 | 22 | 01 51 | 248 | 6 | 02 30 | 216 | 22 | 02 52 | 254 | |
| | 11 18 | 184 | | 11 11 | 181 | | 05 27 | 112 | N | 05 25 | 132 | | 06 10 | 168 | ● | 05 57 | 143 | ○ | 06 51 | 121 | E | 07 08 | 106 | |
| | 16 38 | 53 | | 16 42 | 43 | | 11 39 | 164 | | 09 22 | 198 | | 10 30 | 205 | | 10 05 | 210 | | 13 16 | 179 | | 14 36 | 235 | |
| | | | | | | | 17 45 | 13 | | 17 45 | 7 | | 18 15 | 53 | | 18 21 | 4 | | 18 54 | 28 | | 19 31 | 46 | |
| 7 | 00 05 | 187 | 23 | 00 42 | 213 | 7 | 01 49 | 208 | 23 | 02 06 | 253 | 7 | 02 25 | 260 | 23 | 02 41 | 255 | 7 | 02 53 | 218 | 23 | 03 27 | 244 | |
| | 04 48 | 77 | | 05 04 | 102 | | 06 16 | 117 | ● | 06 18 | 143 | ○ | 06 50 | 161 | | 06 47 | 134 | | 07 09 | 119 | | 07 53 | 85 | |
| | 12 00 | 179 | | 11 50 | 179 | | 12 20 | 164 | | 10 12 | 211 | | 10 44 | 203 | | 11 00 | 212 | | 14 00 | 188 | | 15 26 | 234 | |
| | 17 17 | 36 | | 17 24 | 21 | | 18 30 | 10 | | 18 37 | 5 | | 18 53 | 41 | | 19 13 | 6 | | 19 20 | 35 | | 20 15 | 59 | |
| 8 | 01 01 | 201 | 24 | 01 28 | 227 | 8 | 02 32 | 218 | 24 | 02 58 | 259 | 8 | 02 56 | 248 | 24 | 03 25 | 254 | 8 | 03 15 | 218 | 24 | 03 59 | 233 | |
| | 05 34 | 90 | ● | 05 51 | 109 | ○S | 07 01 | 122 | | 07 09 | 142 | | 07 22 | 145 | | 07 35 | 121 | | 07 30 | 112 | | 08 39 | 69 | |
| | 12 33 | 178 | | 10 04 | 181 | | 13 05 | 168 | | 11 00 | 213 | | 11 23 | 191 | | 14 30 | 208 | | 14 40 | 193 | | 16 12 | 230 | |
| | 17 56 | 26 | | 18 06 | 4 | | 19 10 | 11 | | 19 30 | 0 | | 19 26 | 25 | | 20 00 | 13 | | 19 50 | 43 | | 20 57 | 77 | |
| 9 | 01 48 | 216 | 25 | 02 13 | 236 | 9 | 03 08 | 225 | 25 | 03 45 | 256 | 9 | 03 21 | 227 | 25 | 04 04 | 248 | 9 | 03 37 | 216 | 25 | 04 27 | 225 | |
| ○ | 06 17 | 105 | | 06 36 | 116 | | 07 39 | 127 | | 07 58 | 130 | | 07 45 | 125 | E | 08 22 | 105 | E | 08 00 | 101 | | 09 27 | 60 | |
| | 13 00 | 182 | | 10 45 | 189 | | 13 46 | 173 | | 11 52 | 202 | | 12 30 | 175 | | 15 30 | 212 | | 15 19 | 196 | | 16 59 | 228 | |
| | 18 35 | 23 | | 18 52 | -5 | | 19 46 | 16 | | 20 21 | -6 | | 19 53 | 13 | | 20 46 | 26 | | 20 26 | 49 | | 21 38 | 98 | |
| 10 | 02 29 | 229 | 26 | 03 00 | 243 | 10 | 03 40 | 225 | 26 | 04 30 | 244 | 10 | 03 45 | 207 | 26 | 04 39 | 238 | 10 | 04 03 | 213 | 26 | 04 55 | 224 | |
| | 07 00 | 121 | N | 07 22 | 125 | | 08 08 | 129 | | 08 46 | 112 | | 08 06 | 107 | | 09 11 | 90 | | 08 41 | 88 | | 10 17 | 59 | |
| | 13 30 | 188 | | 11 30 | 199 | | 14 19 | 175 | | 13 03 | 183 | | 14 16 | 165 | | 16 25 | 210 | | 16 03 | 196 | | 17 45 | 227 | |
| | 19 15 | 25 | | 19 41 | -4 | | 20 19 | 20 | | 21 12 | -6 | | 20 22 | 9 | | 21 31 | 42 | | 21 05 | 56 | | 22 21 | 121 | |
| 11 | 03 06 | 239 | 27 | 03 48 | 249 | 11 | 04 09 | 219 | 27 | 05 11 | 230 | 11 | 04 09 | 197 | 27 | 05 11 | 226 | 11 | 04 33 | 209 | 27 | 05 22 | 225 | |
| | 07 38 | 135 | | 08 09 | 135 | | 08 34 | 126 | | 09 37 | 95 | | 08 33 | 97 | | 10 01 | 74 | | 09 23 | 75 | ☽ | 11 12 | 62 | |
| | 14 00 | 194 | | 12 15 | 206 | | 14 49 | 173 | | 16 30 | 180 | | 15 07 | 165 | | 17 17 | 202 | | 16 51 | 197 | | 18 34 | 225 | |
| | 19 53 | 31 | | 20 31 | 3 | | 20 51 | 21 | | 22 00 | 3 | | 20 55 | 17 | | 22 17 | 59 | | 21 44 | 66 | | 23 12 | 141 | |
| 12 | 03 41 | 242 | 28 | 04 35 | 252 | 12 | 04 40 | 209 | 28 | 05 50 | 218 | 12 | 04 38 | 199 | 28 | 05 42 | 212 | 12 | 05 00 | 207 | 28 | 05 53 | 223 | |
| S | 08 11 | 144 | | 08 57 | 140 | | 09 04 | 118 | E | 10 32 | 81 | | 09 12 | 95 | | 10 58 | 58 | | 10 05 | 63 | | 12 13 | 66 | |
| | 14 30 | 198 | | 13 30 | 206 | | 15 23 | 167 | | 17 30 | 178 | | 15 59 | 171 | | 18 13 | 191 | | 17 43 | 201 | | 19 30 | 217 | |
| | 20 27 | 36 | | 21 24 | 14 | | 21 30 | 22 | | 22 50 | 22 | | 21 35 | 32 | | 23 04 | 74 | | 22 21 | 80 | | | | |
| 13 | 04 15 | 240 | 29 | 05 21 | 248 | 13 | 05 14 | 201 | 29 | 06 30 | 209 | 13 | 05 10 | 205 | 29 | 06 12 | 199 | 13 | 05 25 | 207 | 29 | 00 15 | 156 | |
| | 08 39 | 148 | | 09 49 | 139 | | 09 45 | 110 | ☽ | 11 32 | 70 | E | 09 55 | 92 | ☽ | 11 56 | 43 | | 10 48 | 54 | S | 06 27 | 213 | |
| | 14 55 | 199 | | 15 44 | 204 | | 16 03 | 161 | | 18 38 | 178 | | 16 52 | 177 | | 19 15 | 181 | | 18 36 | 205 | | 13 23 | 67 | |
| | 21 02 | 40 | | 22 19 | 25 | | 22 13 | 25 | | 23 41 | 47 | | 22 16 | 46 | | 23 56 | 89 | | 23 02 | 99 | | 20 45 | 205 | |
| 14 | 04 48 | 231 | 30 | 06 07 | 237 | 14 | 05 52 | 196 | 30 | 07 12 | 204 | 14 | 05 43 | 206 | 30 | 06 42 | 187 | 14 | 05 39 | 208 | 30 | 01 45 | 162 | |
| | 09 12 | 144 | | 10 49 | 130 | | 10 35 | 102 | | 12 34 | 61 | | 10 40 | 83 | | 12 57 | 32 | ☾ | 11 39 | 48 | | 07 06 | 198 | |
| | 15 20 | 194 | | 17 01 | 196 | | 17 00 | 157 | | 19 51 | 180 | | 17 53 | 178 | | 20 21 | 172 | | 19 34 | 209 | | 14 39 | 63 | |
| | 21 45 | 39 | | 23 15 | 37 | | 22 56 | 33 | | | | | 22 56 | 57 | | | | | 23 53 | 121 | | 22 37 | 200 | |
| 15 | 05 27 | 217 | 31 | 06 56 | 223 | 15 | 06 33 | 195 | | | | 15 | 06 13 | 200 | 31 | 00 00 | 112 | 15 | 05 34 | 211 | 31 | 03 30 | 159 | |
| | 09 57 | 135 | ☽ | 11 57 | 115 | E | 11 25 | 95 | | | | ☾ | 11 28 | 66 | | 07 10 | 176 | | 12 39 | 44 | | 08 02 | 185 | |
| | 15 53 | 181 | | 18 27 | 185 | | 18 18 | 157 | | | | | 18 54 | 174 | | 14 05 | 27 | | 20 42 | 211 | | 15 46 | 58 | |
| | 22 34 | 36 | | | | | 23 38 | 45 | | | | | 23 38 | 66 | | 21 45 | 169 | | | | | 23 00 | 202 | |
| 16 | 06 12 | 200 | | | | 16 | 07 14 | 194 | | | | 16 | 06 36 | 188 | | | | 16 | 01 00 | 140 | | | | |
| | 10 55 | 123 | | | | ☾ | 12 15 | 86 | | | | | 12 19 | 45 | | | | N | 05 59 | 212 | | | | |
| | 16 30 | 164 | | | | | 19 28 | 159 | | | | | 19 59 | 169 | | | | | 13 51 | 38 | | | | |
| | 23 30 | 34 | | | | | | | | | | | | | | | | | 22 08 | 218 | | | | |

时　区:东 8 时区
Time Zone: −0800

潮高基准面:在平均海面下 145 厘米。
Tidal datum:145cm below mean sea level.

# 云　澳　湾
## YUN'AO WAN

2009 年　　纬度:23°24′N　　经度:117°06′E　　潮汐表

| | 9 月 Sept. | | | | 10 月 Oct. | | | | 11 月 Nov. | | | | 12 月 Dec. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 潮时 Time | 潮高 cm | | | 潮时 Time | 潮高 cm | | | 潮时 Time | 潮高 cm | | | 潮时 Time | 潮高 cm | | |
| 1 | 04 40 | 153 | 17 | 04 19 | 147 | 1 | 04 30 | 131 | 17 | 04 52 | 112 | 1 | 04 55 | 78 | 17 ● | 00 24 | 195 | 1 | 04 53 | 21 | 17 | 00 04 | 187 |
| | 09 38 | 182 | | 11 17 | 222 | | 11 03 | 186 | | 12 24 | 256 | | 12 46 | 211 | | 06 00 | 26 | | 13 00 | 215 | | 06 35 | 18 |
| | 16 40 | 56 | | 16 50 | 62 | | 16 30 | 69 | | 17 06 | 118 | | 17 10 | 105 | | 14 00 | 234 | | 17 13 | 117 | | 14 37 | 219 |
| | | | | | | | | | | | | | | | | 18 20 | 133 | | 23 30 | 182 | | 19 00 | 137 |
| 2 | 00 45 | 220 | 18 E | 00 46 | 242 | 2 E | 00 14 | 212 | 18 ● | 00 36 | 249 | 2 | 00 20 | 198 | 18 | 00 57 | 194 | 2 ○ | 05 29 | 8 | 18 | 00 50 | 180 |
| | 05 21 | 148 | | 05 09 | 127 | | 04 59 | 115 | | 05 34 | 91 | | 05 25 | 63 | | 06 41 | 22 | | 13 41 | 229 | | 07 12 | 11 |
| | 11 25 | 192 | | 12 30 | 232 | | 12 12 | 199 | | 13 16 | 266 | | 13 24 | 227 | | 14 42 | 240 | | 17 51 | 126 | | 15 10 | 213 |
| | 17 21 | 59 | | 17 32 | 69 | | 17 04 | 71 | | 17 47 | 127 | | 17 45 | 116 | | 19 04 | 139 | | 23 30 | 189 | | 19 27 | 129 |
| 3 | 01 20 | 233 | 19 ● | 01 27 | 241 | 3 | 00 46 | 218 | 19 | 01 09 | 244 | 3 ○ | 00 42 | 200 | 19 S | 01 30 | 195 | 3 N | 06 06 | 1 | 19 | 01 30 | 179 |
| | 05 49 | 145 | | 05 52 | 109 | | 05 20 | 102 | | 06 15 | 70 | | 05 57 | 51 | | 07 21 | 22 | | 14 24 | 238 | | 07 41 | 13 |
| | 12 30 | 210 | | 13 28 | 245 | | 12 57 | 217 | | 14 01 | 270 | | 13 58 | 240 | | 15 19 | 241 | | 18 32 | 135 | | 15 33 | 211 |
| | 17 52 | 64 | | 18 12 | 82 | | 17 36 | 80 | | 18 30 | 133 | | 18 19 | 128 | | 19 45 | 141 | | 23 30 | 199 | | 19 45 | 127 |
| 4 | 01 45 | 242 | 20 | 02 01 | 242 | 4 ○ | 01 12 | 223 | 20 | 01 41 | 237 | 4 | 00 57 | 206 | 20 | 02 10 | 194 | 4 | 06 48 | 1 | 20 | 02 18 | 184 |
| | 06 08 | 139 | | 06 31 | 95 | | 05 45 | 91 | | 06 58 | 53 | | 06 30 | 42 | | 08 00 | 24 | | 15 09 | 245 | | 08 08 | 25 |
| | 13 18 | 224 | | 14 16 | 258 | | 13 33 | 235 | | 14 44 | 266 | | 14 35 | 251 | | 15 55 | 236 | | 19 14 | 143 | | 16 06 | 215 |
| | 18 18 | 70 | | 18 48 | 102 | | 18 06 | 92 | | 19 12 | 137 | | 18 55 | 140 | | 20 17 | 141 | | | | | 20 10 | 130 |
| 5 ○E | 02 08 | 243 | 21 | 02 30 | 246 | 5 | 01 36 | 226 | 21 | 02 14 | 227 | 5 N | 01 06 | 214 | 21 | 02 42 | 192 | 5 | 00 46 | 207 | 21 | 02 59 | 192 |
| | 06 26 | 126 | | 07 12 | 87 | | 06 15 | 79 | | 07 39 | 41 | | 07 10 | 37 | | 08 34 | 28 | | 07 35 | 8 | | 08 39 | 42 |
| | 13 53 | 233 | | 15 00 | 269 | | 14 08 | 247 | | 15 25 | 257 | | 15 15 | 257 | | 16 30 | 228 | | 15 55 | 249 | | 16 35 | 221 |
| | 18 45 | 72 | | 19 23 | 125 | | 18 37 | 104 | | 19 51 | 138 | | 19 34 | 150 | | 20 52 | 139 | | 20 00 | 148 | | 20 48 | 133 |
| 6 | 02 29 | 238 | 22 | 02 58 | 251 | 6 | 02 00 | 225 | 22 S | 02 46 | 217 | 6 | 01 30 | 221 | 22 | 03 12 | 188 | 6 | 02 09 | 212 | 22 | 03 39 | 196 |
| | 06 52 | 106 | | 07 51 | 85 | | 06 48 | 67 | | 08 19 | 34 | | 07 52 | 36 | | 09 15 | 35 | | 08 26 | 21 | | 09 22 | 58 |
| | 14 27 | 234 | | 15 40 | 276 | | 14 45 | 253 | | 16 06 | 245 | | 15 58 | 259 | | 17 04 | 220 | | 16 39 | 251 | | 17 08 | 223 |
| | 19 15 | 73 | | 19 56 | 147 | | 19 11 | 114 | | 20 29 | 137 | | 20 17 | 158 | | 21 38 | 137 | | 20 50 | 150 | | 21 40 | 132 |
| 7 | 02 50 | 230 | 23 | 03 25 | 257 | 7 | 02 23 | 221 | 23 | 03 19 | 207 | 7 | 02 23 | 226 | 23 | 03 42 | 185 | 7 | 03 15 | 215 | 23 E | 04 26 | 191 |
| | 07 23 | 86 | | 08 30 | 85 | | 07 26 | 53 | | 09 00 | 33 | | 08 39 | 38 | | 10 07 | 45 | | 09 19 | 36 | | 10 10 | 69 |
| | 15 03 | 233 | | 16 19 | 277 | | 15 23 | 252 | | 16 45 | 232 | | 16 44 | 257 | | 17 45 | 215 | | 17 23 | 249 | | 17 45 | 221 |
| | 19 47 | 77 | | 20 30 | 162 | | 19 46 | 120 | | 21 09 | 139 | | 21 03 | 162 | | 22 42 | 136 | | 21 46 | 146 | | 22 38 | 121 |
| 8 | 03 15 | 223 | 24 | 03 52 | 259 | 8 | 02 50 | 217 | 24 | 03 48 | 200 | 8 | 03 15 | 227 | 24 | 04 21 | 180 | 8 | 04 23 | 212 | 24 | 05 25 | 181 |
| | 08 00 | 69 | | 09 12 | 86 | | 08 05 | 40 | | 09 47 | 40 | | 09 30 | 46 | | 11 03 | 57 | | 10 16 | 52 | | 10 54 | 75 |
| | 15 43 | 233 | | 17 00 | 272 | | 16 06 | 247 | | 17 30 | 220 | | 17 32 | 252 | | 18 30 | 213 | | 18 07 | 242 | | 18 22 | 214 |
| | 20 22 | 86 | | 21 10 | 171 | | 20 27 | 127 | | 22 02 | 143 | | 22 00 | 164 | | 23 51 | 132 | | 22 55 | 136 | | 23 35 | 105 |
| 9 | 03 41 | 220 | 25 S | 04 18 | 256 | 9 N | 03 20 | 214 | 25 | 04 15 | 194 | 9 ☾ | 04 08 | 225 | 25 ☽ | 05 17 | 174 | 9 ☾E | 05 35 | 204 | 25 ☽ | 06 33 | 171 |
| | 08 40 | 58 | | 09 59 | 88 | | 08 50 | 33 | | 10 48 | 51 | | 10 33 | 57 | | 11 55 | 70 | | 11 11 | 69 | | 11 36 | 82 |
| | 16 26 | 235 | | 17 42 | 260 | | 16 52 | 243 | | 18 24 | 211 | | 18 26 | 245 | | 19 17 | 212 | | 18 55 | 232 | | 18 58 | 207 |
| | 20 00 | 110 | | 21 57 | 176 | | 21 09 | 135 | | 23 19 | 147 | | 23 15 | 161 | | | | | | | | | |
| 10 | 04 07 | 222 | 26 ☽ | 04 45 | 247 | 10 | 03 55 | 215 | 26 ☽ | 04 44 | 186 | 10 | 05 04 | 216 | 26 E | 00 51 | 123 | 10 | 00 20 | 118 | 26 | 00 32 | 89 |
| | 09 20 | 53 | | 10 59 | 90 | | 09 38 | 34 | | 11 55 | 63 | | 11 40 | 70 | | 06 55 | 169 | | 06 55 | 195 | | 07 41 | 167 |
| | 17 13 | 238 | | 18 31 | 243 | | 17 42 | 240 | | 19 30 | 206 | | 19 30 | 237 | | 12 46 | 83 | | 12 12 | 87 | | 12 21 | 95 |
| | 21 36 | 119 | | 22 59 | 179 | | 21 59 | 146 | | | | | | | | 19 59 | 208 | | 19 45 | 223 | | 19 30 | 203 |
| 11 | 04 30 | 227 | 27 | 05 14 | 231 | 11 ☾ | 04 30 | 219 | 27 | 00 35 | 146 | 11 | 00 37 | 150 | 27 | 01 51 | 110 | 11 | 01 38 | 97 | 27 | 01 38 | 75 |
| | 10 03 | 54 | | 12 12 | 91 | | 10 35 | 44 | | 05 30 | 177 | | 06 38 | 205 | | 08 23 | 167 | | 08 30 | 191 | | 08 57 | 171 |
| | 18 02 | 240 | | 19 37 | 224 | | 18 38 | 239 | | 12 54 | 73 | | 12 47 | 84 | | 13 45 | 94 | | 13 17 | 107 | | 13 27 | 114 |
| | 22 18 | 139 | | | | | 23 10 | 158 | | 20 37 | 205 | | 20 36 | 231 | | 20 30 | 200 | | 20 38 | 216 | | 20 59 | 196 |
| 12 ☾N | 05 01 | 232 | 28 | 00 30 | 177 | 12 | 05 17 | 222 | 28 | 01 42 | 141 | 12 E | 01 57 | 132 | 28 | 02 49 | 90 | 12 | 02 42 | 77 | 28 | 02 45 | 60 |
| | 10 56 | 58 | | 05 55 | 210 | | 11 50 | 59 | | 08 12 | 171 | | 08 37 | 199 | | 10 02 | 169 | | 09 56 | 199 | | 10 30 | 185 |
| | 18 59 | 239 | | 13 30 | 88 | | 19 45 | 239 | | 13 55 | 82 | | 14 00 | 96 | | 14 47 | 101 | | 14 27 | 127 | | 14 45 | 130 |
| | 23 13 | 159 | | 21 04 | 211 | | | | | 21 39 | 205 | | 21 39 | 225 | | 21 13 | 191 | | 21 30 | 211 | | 20 30 | 202 |
| 13 | 05 30 | 234 | 29 | 02 04 | 167 | 13 | 00 37 | 164 | 29 | 02 51 | 130 | 13 | 03 07 | 107 | 29 | 03 36 | 65 | 13 | 03 31 | 63 | 29 | 03 38 | 43 |
| | 12 06 | 64 | | 07 30 | 190 | | 06 18 | 221 | | 09 30 | 174 | | 10 13 | 203 | | 11 21 | 181 | | 11 09 | 211 | | 11 36 | 205 |
| | 20 07 | 236 | | 14 42 | 82 | | 13 06 | 75 | | 14 55 | 88 | | 15 07 | 104 | | 15 44 | 105 | | 15 30 | 144 | | 15 47 | 139 |
| | | | | 22 30 | 207 | | 21 03 | 243 | | 22 30 | 203 | | 22 30 | 216 | | 22 06 | 182 | | 22 13 | 208 | | 21 14 | 202 |
| 14 | 00 36 | 173 | 30 | 03 40 | 150 | 14 | 01 53 | 162 | 30 E | 03 48 | 114 | 14 | 04 00 | 79 | 30 | 04 16 | 41 | 14 | 04 18 | 53 | 30 N | 04 25 | 27 |
| | 06 13 | 230 | | 09 30 | 182 | | 08 15 | 220 | | 11 00 | 181 | | 11 26 | 210 | | 12 15 | 198 | | 12 15 | 222 | | 12 33 | 221 |
| | 13 30 | 67 | | 15 43 | 74 | | 14 19 | 88 | | 15 47 | 92 | | 16 00 | 110 | | 16 31 | 110 | | 16 30 | 156 | | 16 38 | 142 |
| | 21 36 | 235 | | 23 30 | 209 | | 22 15 | 249 | | 23 16 | 201 | | 23 16 | 207 | | 23 59 | 174 | | 22 49 | 203 | | 21 51 | 205 |
| 15 | 02 09 | 173 | | | | 15 | 03 04 | 151 | 31 | 04 24 | 96 | 15 | 04 39 | 55 | | | | 15 | 05 03 | 43 | 31 | 05 08 | 14 |
| | 07 21 | 222 | | | | | 10 03 | 229 | | 12 02 | 195 | | 12 26 | 218 | | | | | 13 12 | 227 | | 13 24 | 231 |
| | 14 53 | 64 | | | | | 15 26 | 99 | | 16 30 | 97 | | 16 48 | 117 | | | | | 17 30 | 157 | | 17 24 | 144 |
| | 22 55 | 239 | | | | | 23 10 | 252 | | 23 52 | 199 | | 23 53 | 198 | | | | | 23 23 | 196 | | 22 30 | 210 |
| 16 | 03 20 | 163 | | | | 16 E | 04 04 | 133 | | | | 16 | 05 18 | 36 | | | | 16 ●S | 05 51 | 31 | | | |
| | 09 30 | 217 | | | | | 11 21 | 243 | | | | | 13 15 | 227 | | | | | 13 58 | 225 | | | |
| | 15 58 | 61 | | | | | 16 21 | 109 | | | | | 17 34 | 125 | | | | | 18 22 | 149 | | | |
| | 23 56 | 242 | | | | | 23 57 | 252 | | | | | | | | | | | | | | | |

时　区:东 8 时区
Time Zone: −0800

潮高基准面:在平均海面下 145 厘米。
Tidal datum:145cm below mean sea level.

# 汕　　头　　港
## SHANTOU GANG

2009 年　　纬度:23°20′N　　经度:116°45′E　　潮汐表

### 1 月 Jan.

| | 潮时 Time | 潮高 cm | | 潮时 Time | 潮高 cm |
|---|---|---|---|---|---|
| 1 | 02 30 | 158 | 17 | 06 11 | 160 |
| | 09 56 | 46 | | 11 02 | 68 |
| | 17 45 | 190 | | 18 45 | 186 |
| | 22 15 | 125 | | | |
| 2 | 04 36 | 155 | 18 ☾ | 00 07 | 71 |
| | 10 30 | 55 | | 07 09 | 158 |
| | 18 08 | 185 | | 11 34 | 90 |
| | 22 52 | 118 | | 19 22 | 186 |
| 3 E | 05 21 | 156 | 19 | 01 09 | 70 |
| | 11 00 | 69 | | 08 15 | 160 |
| | 18 28 | 184 | | 12 07 | 115 |
| | 23 35 | 111 | | 20 00 | 187 |
| 4 ☽ | 06 06 | 161 | 20 | 02 09 | 73 |
| | 11 30 | 87 | | 09 30 | 166 |
| | 18 50 | 186 | | 12 45 | 139 |
| | | | | 20 41 | 188 |
| 5 | 00 35 | 103 | 21 | 03 05 | 75 |
| | 06 59 | 165 | | 10 59 | 173 |
| | 11 55 | 106 | | 13 34 | 159 |
| | 19 15 | 188 | | 18 30 | 187 |
| 6 | 01 45 | 93 | 22 S | 04 02 | 74 |
| | 08 24 | 167 | | 12 24 | 184 |
| | 12 35 | 125 | | 14 54 | 171 |
| | 19 30 | 188 | | 18 53 | 186 |
| 7 | 02 49 | 79 | 23 | 05 00 | 67 |
| | 10 06 | 172 | | 13 20 | 192 |
| | 13 30 | 143 | | 16 30 | 171 |
| | 19 30 | 187 | | 19 51 | 180 |
| 8 | 03 53 | 63 | 24 | 05 50 | 57 |
| | 11 32 | 179 | | 14 05 | 197 |
| | 15 06 | 157 | | 17 59 | 161 |
| | 20 10 | 187 | | 20 55 | 172 |
| 9 N | 04 56 | 46 | 25 | 06 32 | 46 |
| | 12 53 | 189 | | 14 43 | 196 |
| | 16 21 | 162 | | 18 45 | 147 |
| | 21 06 | 188 | | 21 50 | 166 |
| 10 | 05 54 | 33 | 26 ● | 07 08 | 36 |
| | 14 03 | 201 | | 15 16 | 193 |
| | 17 23 | 163 | | 19 18 | 132 |
| | 22 05 | 191 | | 22 41 | 161 |
| 11 ○ | 06 45 | 26 | 27 | 02 11 | 158 |
| | 14 59 | 212 | | 07 41 | 31 |
| | 18 22 | 159 | | 15 46 | 189 |
| | 23 11 | 192 | | 19 50 | 120 |
| 12 | 07 34 | 25 | 28 | 02 52 | 158 |
| | 15 44 | 218 | | 08 14 | 31 |
| | 19 30 | 151 | | 16 15 | 187 |
| | | | | 20 20 | 112 |
| 13 | 00 30 | 188 | 29 | 03 30 | 161 |
| | 08 20 | 28 | | 08 45 | 40 |
| | 16 24 | 217 | | 16 43 | 186 |
| | 20 30 | 136 | | 20 51 | 109 |
| 14 | 02 30 | 178 | 30 E | 04 08 | 167 |
| | 09 05 | 33 | | 09 14 | 57 |
| | 17 00 | 210 | | 17 05 | 189 |
| | 21 29 | 116 | | 21 30 | 110 |
| 15 E | 04 15 | 171 | 31 | 04 44 | 175 |
| | 09 47 | 40 | | 09 37 | 80 |
| | 17 35 | 200 | | 17 25 | 195 |
| | 22 20 | 96 | | 22 05 | 110 |
| 16 | 05 16 | 165 | | | |
| | 10 26 | 51 | | | |
| | 18 10 | 191 | | | |
| | 23 12 | 80 | | | |

### 2 月 Feb.

| | 潮时 Time | 潮高 cm | | 潮时 Time | 潮高 cm |
|---|---|---|---|---|---|
| 1 | 05 21 | 185 | 17 ☾ | 00 30 | 49 |
| | 09 55 | 102 | | 07 21 | 150 |
| | 17 45 | 203 | | 11 06 | 111 |
| | 22 52 | 108 | | 18 49 | 157 |
| 2 | 06 03 | 192 | 18 | 01 26 | 41 |
| | 10 19 | 120 | | 08 30 | 137 |
| | 18 08 | 209 | | 11 48 | 119 |
| | 23 54 | 102 | | 17 11 | 149 |
| 3 ☽ | 06 57 | 194 | 19 S | 02 23 | 40 |
| | 10 55 | 136 | | 10 30 | 136 |
| | 18 30 | 212 | | 12 49 | 134 |
| | | | | 17 41 | 149 |
| 4 | 01 05 | 91 | 20 | 03 23 | 44 |
| | 08 08 | 190 | | 12 30 | 154 |
| | 11 40 | 151 | | 15 30 | 144 |
| | 18 42 | 211 | | 18 35 | 150 |
| 5 N | 02 16 | 76 | 21 | 04 30 | 51 |
| | 09 27 | 185 | | 13 07 | 173 |
| | 12 41 | 164 | | 17 30 | 147 |
| | 19 09 | 206 | | 23 11 | 154 |
| 6 | 03 30 | 59 | 22 | 05 30 | 56 |
| | 11 30 | 183 | | 13 42 | 188 |
| | 14 51 | 171 | | 18 21 | 145 |
| | 20 18 | 200 | | | |
| 7 | 04 37 | 45 | 23 | 00 11 | 163 |
| | 13 04 | 193 | | 06 13 | 58 |
| | 16 14 | 166 | | 14 14 | 194 |
| | 21 39 | 198 | | 18 52 | 139 |
| 8 | 05 36 | 37 | 24 | 01 06 | 169 |
| | 13 56 | 204 | | 06 47 | 60 |
| | 17 15 | 158 | | 14 43 | 193 |
| | 22 48 | 199 | | 19 17 | 130 |
| 9 ○ | 06 26 | 38 | 25 ● | 01 55 | 171 |
| | 14 39 | 212 | | 07 18 | 61 |
| | 18 10 | 150 | | 15 10 | 187 |
| | 23 52 | 200 | | 19 41 | 119 |
| 10 | 07 09 | 47 | 26 E | 02 38 | 173 |
| | 15 16 | 217 | | 07 48 | 63 |
| | 19 03 | 140 | | 15 36 | 181 |
| | | | | 20 08 | 106 |
| 11 | 01 30 | 201 | 27 | 03 18 | 175 |
| | 07 48 | 60 | | 08 19 | 69 |
| | 15 49 | 219 | | 16 00 | 176 |
| | 19 58 | 128 | | 20 44 | 94 |
| 12 E | 03 09 | 207 | 28 | 03 56 | 178 |
| | 08 25 | 74 | | 08 47 | 79 |
| | 16 18 | 216 | | 16 24 | 174 |
| | 20 54 | 114 | | 21 27 | 83 |
| 13 | 04 00 | 208 | | | |
| | 08 57 | 87 | | | |
| | 16 45 | 210 | | | |
| | 21 48 | 98 | | | |
| 14 | 04 48 | 200 | | | |
| | 09 25 | 96 | | | |
| | 17 15 | 201 | | | |
| | 22 43 | 80 | | | |
| 15 | 05 35 | 186 | | | |
| | 09 53 | 102 | | | |
| | 17 45 | 187 | | | |
| | 23 36 | 63 | | | |
| 16 | 06 25 | 167 | | | |
| | 10 30 | 106 | | | |
| | 18 17 | 172 | | | |

### 3 月 Mar.

| | 潮时 Time | 潮高 cm | | 潮时 Time | 潮高 cm |
|---|---|---|---|---|---|
| 1 | 04 33 | 181 | 17 | 06 17 | 178 |
| | 09 14 | 92 | | 10 25 | 124 |
| | 16 45 | 173 | | 17 57 | 164 |
| | 22 13 | 72 | | 23 51 | 42 |
| 2 | 05 14 | 183 | 18 S | 07 08 | 164 |
| | 09 40 | 104 | | 11 01 | 123 |
| | 17 08 | 176 | | 16 30 | 148 |
| | 23 02 | 63 | | 18 36 | 156 |
| 3 | 06 00 | 182 | 19 ☾ | 00 35 | 41 |
| | 10 15 | 117 | | 08 05 | 157 |
| | 17 29 | 179 | | 11 43 | 129 |
| | 23 56 | 56 | | 19 15 | 154 |
| 4 ☽ | 06 59 | 179 | 20 | 01 24 | 49 |
| | 10 57 | 130 | | 09 14 | 157 |
| | 17 19 | 183 | | 12 44 | 139 |
| | | | | 20 00 | 155 |
| 5 N | 00 58 | 50 | 21 | 02 21 | 59 |
| | 08 09 | 173 | | 10 34 | 163 |
| | 11 54 | 145 | | 14 55 | 143 |
| | 17 40 | 184 | | 21 25 | 157 |
| 6 | 02 06 | 44 | 22 | 03 22 | 65 |
| | 10 00 | 170 | | 11 48 | 170 |
| | 14 15 | 151 | | 16 21 | 136 |
| | 18 58 | 178 | | 22 35 | 158 |
| 7 | 03 14 | 38 | 23 | 04 30 | 66 |
| | 11 55 | 175 | | 12 37 | 174 |
| | 15 32 | 143 | | 17 50 | 123 |
| | 20 11 | 170 | | 23 41 | 158 |
| 8 | 04 21 | 33 | 24 | 05 26 | 66 |
| | 12 55 | 179 | | 13 16 | 175 |
| | 16 39 | 130 | | 18 16 | 110 |
| | 21 16 | 161 | | | |
| 9 | 05 29 | 32 | 25 E | 00 52 | 162 |
| | 13 43 | 181 | | 06 06 | 70 |
| | 17 55 | 115 | | 13 53 | 176 |
| | 23 14 | 157 | | 18 42 | 102 |
| 10 | 06 22 | 38 | 26 | 01 50 | 173 |
| | 14 25 | 183 | | 06 41 | 80 |
| | 18 47 | 103 | | 14 27 | 179 |
| | | | | 19 12 | 96 |
| 11 ○E | 01 54 | 167 | 27 ● | 02 37 | 189 |
| | 07 05 | 54 | | 07 14 | 94 |
| | 15 01 | 188 | | 14 59 | 183 |
| | 19 30 | 96 | | 19 45 | 88 |
| 12 | 02 47 | 188 | 28 | 03 18 | 201 |
| | 07 42 | 77 | | 07 45 | 106 |
| | 15 31 | 194 | | 15 30 | 182 |
| | 20 10 | 94 | | 20 27 | 76 |
| 13 | 03 30 | 205 | 29 | 03 59 | 206 |
| | 08 14 | 101 | | 08 16 | 112 |
| | 15 56 | 199 | | 15 58 | 174 |
| | 20 52 | 90 | | 21 11 | 57 |
| 14 | 04 10 | 213 | 30 | 04 40 | 199 |
| | 08 44 | 120 | | 08 48 | 112 |
| | 16 20 | 199 | | 16 25 | 162 |
| | 21 37 | 82 | | 21 59 | 37 |
| 15 | 04 49 | 209 | 31 | 05 26 | 185 |
| | 09 15 | 128 | | 09 24 | 109 |
| | 16 47 | 191 | | 13 39 | 152 |
| | 22 23 | 67 | | 22 47 | 21 |
| 16 | 05 30 | 195 | | | |
| | 09 48 | 128 | | | |
| | 17 20 | 178 | | | |
| | 23 08 | 52 | | | |

### 4 月 Apr.

| | 潮时 Time | 潮高 cm | | 潮时 Time | 潮高 cm |
|---|---|---|---|---|---|
| 1 N | 06 18 | 172 | 17 ☾ | 07 25 | 163 |
| | 10 04 | 112 | | 11 18 | 128 |
| | 14 36 | 151 | | 14 51 | 145 |
| | 23 39 | 16 | | 17 10 | 139 |
| 2 ☽ | 07 18 | 166 | 18 | 00 30 | 45 |
| | 10 54 | 123 | | 08 24 | 153 |
| | 15 36 | 155 | | 12 30 | 127 |
| | | | | 19 04 | 135 |
| 3 | 00 37 | 24 | 19 | 01 30 | 54 |
| | 08 30 | 169 | | 09 33 | 152 |
| | 12 49 | 139 | | 14 39 | 124 |
| | 17 30 | 161 | | 20 10 | 135 |
| 4 | 01 39 | 39 | 20 | 02 30 | 66 |
| | 10 00 | 179 | | 10 42 | 160 |
| | 14 30 | 144 | | 15 55 | 119 |
| | 18 58 | 169 | | 22 13 | 144 |
| 5 | 02 42 | 56 | 21 | 03 30 | 80 |
| | 11 27 | 189 | | 11 38 | 170 |
| | 15 45 | 139 | | 17 04 | 111 |
| | 19 59 | 171 | | 23 30 | 156 |
| 6 | 03 55 | 70 | 22 E | 04 30 | 92 |
| | 12 24 | 192 | | 12 24 | 173 |
| | 17 03 | 124 | | 17 42 | 99 |
| | 20 59 | 166 | | | |
| 7 E | 05 10 | 76 | 23 | 00 43 | 168 |
| | 13 11 | 187 | | 05 27 | 99 |
| | 17 54 | 101 | | 13 04 | 168 |
| | | | | 18 15 | 81 |
| 8 | 01 10 | 169 | 24 | 01 37 | 177 |
| | 06 01 | 79 | | 06 11 | 103 |
| | 13 50 | 179 | | 13 43 | 159 |
| | 18 34 | 79 | | 18 51 | 61 |
| 9 ○ | 02 00 | 179 | 25 ● | 02 23 | 185 |
| | 06 42 | 84 | | 06 47 | 108 |
| | 14 25 | 172 | | 14 17 | 152 |
| | 19 12 | 61 | | 19 30 | 43 |
| 10 | 02 43 | 188 | 26 | 03 06 | 194 |
| | 07 14 | 96 | | 07 20 | 115 |
| | 14 52 | 170 | | 10 54 | 158 |
| | 19 48 | 52 | | 20 10 | 33 |
| 11 | 03 20 | 198 | 27 | 03 50 | 205 |
| | 07 37 | 111 | | 07 53 | 128 |
| | 15 15 | 173 | | 11 41 | 171 |
| | 20 27 | 51 | | 20 56 | 30 |
| 12 | 03 56 | 206 | 28 N | 04 37 | 214 |
| | 08 00 | 127 | | 08 33 | 142 |
| | 15 37 | 178 | | 12 30 | 184 |
| | 21 09 | 52 | | 21 45 | 31 |
| 13 | 04 30 | 209 | 29 | 05 28 | 217 |
| | 08 30 | 140 | | 09 27 | 152 |
| | 16 06 | 180 | | 13 30 | 191 |
| | 21 50 | 52 | | 22 35 | 31 |
| 14 S | 05 10 | 205 | 30 | 06 22 | 213 |
| | 09 14 | 145 | | 10 35 | 153 |
| | 16 40 | 174 | | 14 30 | 187 |
| | 22 30 | 50 | | 23 26 | 30 |
| 15 | 05 51 | 195 | | | |
| | 09 58 | 142 | | | |
| | 13 35 | 165 | | | |
| | 23 09 | 45 | | | |
| 16 | 06 36 | 179 | | | |
| | 10 38 | 135 | | | |
| | 14 10 | 156 | | | |
| | 23 46 | 43 | | | |

时　区:东 8 时区
Time Zone: −0800

潮高基准面:在平均海面下 137 厘米。
Tidal datum:137cm below mean sea level.