Getting Acquainted

Congratulations upon your selection of this CASIO watch. To get the most out of your purchase, be sure to read this manual carefully.

Warning!

• The measurement functions built into this watch are not intended for use in taking measurements that require professional or industrial precision. Values produced by this watch should be considered as reasonably accurate representations only.
• When fishing, always take proper precautions to ensure your own personal safety and the personal safety of others around you.
• The fishing level indicator and moon phase indicator produced by this watch are all based on calculations that use the watch’s current time, date, and Home Site settings. Because of this, you should make sure that the current date and time, and your Home Site data are all correct before using the indicators.

Timekeeping

Use the Timekeeping Mode to set and view the current time and date. This watch features separate digital and analog timekeeping. The procedures for setting the digital time and analog time are different.

• In the Timekeeping Mode, press \( \text{A} \) to toggle between the thermometer screen and the temperature tendency screen.

Temperature Tendency Screen

- Day of the week
- Hour
- Temperature
- Temperature tendency

Thermometer Screen

- Temperature
- Moon phase indicator
- Press \( \text{A} \) to toggle between the thermometer screen and the temperature tendency screen.

Important!

- Be sure to configure the current time and date, and your Home Site data (for the site where you use the watch) correctly before using the functions of this watch. See “Home Site Data” for more information.

Setting the Digital Time and Date

This watch is preset with UTC differential values that represent each time zone around the globe. Before setting the digital time, be sure to first set the UTC differential for your Home Site, which is the location where you normally will be using the watch.

• Note that World Time Mode times are all displayed based on calculations that use the watch’s current time, date, and Home Site settings you configure in the Timekeeping Mode.

To set the digital time and date

1. In the Timekeeping Mode, hold down \( \text{A} \) until the seconds start to flash, which indicates the setting screen.
2. Press \( \text{A} \) to move the flashing in the sequence shown below to select the setting you want.
3. When the setting you want to change is flashing, use \( \text{D} \) and \( \text{B} \) to change as described below.

<table>
<thead>
<tr>
<th>Screen</th>
<th>To do this</th>
<th>Do this</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00</td>
<td>Press ( \text{B} ) to change the 12-hour format. Press ( \text{D} ) to change the 24-hour format.</td>
<td>Press ( \text{D} ) to change the 24-hour format. Press ( \text{B} ) to change the 12-hour format.</td>
</tr>
<tr>
<td>Temperature</td>
<td>Press ( \text{D} ) to change the temperature display unit.</td>
<td>Press ( \text{D} ) to set the temperature display unit.</td>
</tr>
<tr>
<td>DST indicator</td>
<td>Press ( \text{D} ) twice to enter the setting screen.</td>
<td>Press ( \text{D} ) twice to exit the setting screen.</td>
</tr>
<tr>
<td>DST</td>
<td>Press ( \text{D} ) twice to change the DST setting.</td>
<td>Press ( \text{D} ) twice to set the DST indicator.</td>
</tr>
<tr>
<td>Calendar</td>
<td>Press ( \text{D} ) twice to change the calendar settings.</td>
<td>Press ( \text{D} ) twice to set the calendar settings.</td>
</tr>
</tbody>
</table>

Daylight Saving Time (DST) Setting

Daylight Saving Time (summer time) advances the time setting by one hour from Standard Time. Remember that not all countries or even local areas use Daylight Saving Time.

To toggle the Timekeeping Mode digital time between DST and Standard Time

1. Press \( \text{D} \) once and the DST setting screen appears.
2. Press \( \text{B} \) to toggle between Daylight Saving Time (DST displayed) and Standard Time (PST displayed).
3. Press \( \text{D} \) twice to exit the setting screen.

About This Manual

• Button operations are indicated using the letters shown in the illustrations.
• For the sake of simplicity, the sample displays in this manual do not show the analog hands of the watch.
• Each section of this manual provides you with the information you need to perform operations in each mode. Further details and technical information can be found in the “Reference” section.

Note that CASIO COMPUTER CO., LTD. assumes no responsibility for any damage or loss suffered by you or any third party arising through the use of this product or its malfunction.

Temperature Data

- Press \( \text{A} \) to toggle between the thermometer screen and temperature tendency graph.
- Temperature Unit: Press \( \text{A} \) to toggle between Standard Time (°C) and Fahrenheit (°F).
- Temperature Sensor Calibration: Press \( \text{A} \) to toggle between Standard Time (°C) and Fahrenheit (°F).
- Temperature Tendency: Press \( \text{A} \) to toggle between Standard Time (°C) and Fahrenheit (°F).

Temperature Tendency Screen

- Press \( \text{A} \) to toggle between the thermometer screen and temperature tendency graph.
- Press \( \text{A} \) twice to exit the setting screen.

World Time Mode

- Specifying the UTC differential
- See “World Time Mode” for more information.
- See “World Time Mode” for more information.
- Use the “City Code List” for information about the UTC differential values used in each mode. Further details and technical information can be found in the “Reference” section.

Alarm Mode

- The fishing level indicator indicates the times when fish can be expected to be feeding.
- See “Home Site Data” for more information.
- For more information, see “Fishing Mode”.

Hand Setting Mode

- The fishing level indicator indicates the times when fish can be expected to be feeding.
- See “Home Site Data” for more information.
- For more information, see “Fishing Mode”.

Countdown Timer Mode

- Timekeeping Mode settings.
- Because of this, you should make sure that the current date and time, and your Home Site data are all correct before using the indicators.
In the Timekeeping Mode, the fishing level indicator changes in accordance with the Moon data.

Example: Fishing Level Screen

<table>
<thead>
<tr>
<th>Fishing Level</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level 5</td>
<td></td>
</tr>
<tr>
<td>Level 4</td>
<td></td>
</tr>
<tr>
<td>Level 3</td>
<td></td>
</tr>
<tr>
<td>Level 2</td>
<td></td>
</tr>
<tr>
<td>Level 1</td>
<td></td>
</tr>
</tbody>
</table>

To configure Home Site data

1. In the Timekeeping Mode, hold down \( \boxed{A} \) until the seconds start to flash, which indicates the setting screen.

2. Press \( \boxed{C} \) twice to display the UTC differential setting screen, and confirm that the setting is correct.

3. Press \( \boxed{A} \) to display the longitude value setting screen.

4. Press \( \boxed{C} \) to begin the flashing between the longitude value and the longitude unit (east/west).

5. While the setting you want to change is flashing, use \( \boxed{A} \) and \( \boxed{B} \) to change it as described below.

<table>
<thead>
<tr>
<th>Longitude Value</th>
<th>Screen</th>
<th>Button Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use ( \boxed{+} ) ( \boxed{C} ) ( \boxed{D} ) to change the setting. You can specify a value from 0° to 180°, in 1-degree units.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Use ( \boxed{C} ) to switch between east longitude (E) and west longitude (W).</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6. Press \( \boxed{A} \) to exit the setting screen.

Setting the Analog Time

1. In the Timekeeping Mode, press \( \boxed{C} \) seven times to enter the Hand Setting Mode.

2. Hold down \( \boxed{A} \) until the current digital time starts to flash, indicating the setting screen.

3. Press \( \boxed{B} \) to adjust the analog settings.

4. Press \( \boxed{C} \) once to advance the hands 20 seconds.

5. Hold down \( \boxed{A} \) to advance the hands at high speed.

6. To lock high-speed hands movement, hold down \( \boxed{A} \) to start it and then press \( \boxed{B} \) to lock. The hands will continue to advance for one 12-hour cycle or until you press any button to stop it.

7. It will stop automatically after the time advances 12 hours or if an alarm (daily alarm, Hourly Time Signal, or countdown beeper) starts to sound.

8. Press \( \boxed{A} \) to exit the setting screen.

9. The minute hand will be adjusted slightly to match the seconds when you exit the setting screen.

10. To return to the Timekeeping Mode, press \( \boxed{D} \).

Fishing Mode

The Fishing Mode displays an indicator that shows, as one of five levels, the suitability of a specific date and time (minute 00 to minute 59 or a particular hour) for fishing.

This mode also can be used to display Moon Data (Moon age and Moon phase) for a specific date.

1. If you suspect that the fishing level indicator or current Moon data is wrong for some reason, check the current Timekeeping Mode settings (time, date, and Home Site), and correct them if required.

2. See “Moon Phase Indicator” for information about the Moon phase indicator.

3. All of the operations in this section are performed in the Fishing Mode, which you enter by pressing \( \boxed{C} \).

Fishing Level Screen

Fishing Level Indicator

The fishing level indicator shows the relative favorability of a fishing time (calculated in accordance with Moon transit and phase) as shown in the table below.

<table>
<thead>
<tr>
<th>Level 5</th>
<th>Level 4</th>
<th>Level 3</th>
<th>Level 2</th>
<th>Level 1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Moon Transit Moon Phase</th>
<th>Upper</th>
<th>Lower</th>
<th>West</th>
<th>East</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>New moon (Moon transit)</td>
<td>Level 5</td>
<td>Level 4</td>
<td>Level 3</td>
<td>Level 2</td>
<td>Level 1</td>
</tr>
<tr>
<td>First quarter</td>
<td>Level 4</td>
<td>Level 3</td>
<td>Level 2</td>
<td>Level 1</td>
<td></td>
</tr>
<tr>
<td>Last quarter</td>
<td>Level 3</td>
<td>Level 2</td>
<td>Level 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* These indicators actually appear during Moon ages 13.0 to 16.6 (Full Moon and phase immediately preceding it) and 27.7 to 1.8 (New Moon and phase immediately preceding it).

- The fishing level indicator changes in accordance with the Moon data.
- In the Timekeeping Mode, the FISH indicator flashes whenever the fishing level of the current time is 4 or 5.

To view the current fishing level and Moon data

In the Fishing Mode, press \( \boxed{A} \) to toggle between the fishing level screen and the Moon Data screen.

- The fishing level indicator shows the level for the displayed time. The initial fishing level screen shows the level for 6:00 a.m. The Moon data screen shows the Moon age and Moon phase for the current date.

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**Operation Guide 5056**

**Thermometer**

- You can select either Celsius (°C) or Fahrenheit (°F) units for the thermometer screen. See “To specify the temperature display unit” for more information.
- The thermometer screen displays temperature values in 0.1°C units (or 0.2°F units).
- The display range of the thermometer screen is -10.0°C to 60.0°C (or 14.0°F to 140.0°F).
- You can calibrate the thermometer sensor if you feel that the displayed temperature values are not correct. See “Temperature Sensor Calibration” for more information.

**Temperature Tendency Graph**

- The watch also takes separate readings and stores them in memory for display in the temperature tendency graph, which can be viewed in the Timekeeping Mode.
- Measured temperature values are stored in memory for later recall when you need them.
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Recalling Temperature Data

The measurements the watch takes at the top and the bottom of each hour are stored in memory automatically. Memory can hold up to 50 measurement records. You can use the Temperature Data Recall Mode to recall memory data when you need it.

- Each temperature data record has a number. The newest data record is number 01, while the oldest data record is the one with the highest number.
- When there are already 50 records in memory, storage of a new temperature reading causes the oldest record (record number 50) to be deleted automatically to make room for the new data. The new data is assigned record number 1, and all of the numbers of all the other records (01 to 49) are incremented by 1 (becoming 02 through 49).

To recall temperature records

<table>
<thead>
<tr>
<th>REC</th>
<th>T</th>
<th>T</th>
<th>T</th>
<th>T</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
</tr>
</tbody>
</table>

Data storage time

<table>
<thead>
<tr>
<th>Record number</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Countdown Timer

1. In the Timekeeping Mode, press 4 twice to enter the Temperature Data Recall Mode.
2. Use 4 (+) to scroll through the records.
3. Pressing 4 while the oldest record is displayed will scroll to the newest record.
4. If a temperature measurement operation is performed while a record is displayed, the displayed record's number will be incremented by 1.
5. If an error occurs during temperature measurement, **“—”** will be shown for the temperature value in the corresponding record.

To measure times with the stopwatch

- **Elapsed Time**
- **Start**
- **Stop**
- **Re-start**
- **Stop**
- **Clear**

- **Split Time**
  - **Start**
  - **Stop**
  - **Re-start**
  - **Stop**
  - **Clear**

- **Two Finishes**
  - **Start**
  - **Stop**
  - **Split release**
  - **Stop**
  - **Clear**

- **Display time of**
  - **First runner**
  - **Second runner**

Countdown Timer

You can set the countdown timer within a range of one minute to 100 hours. An alarm sounds when the countdown reaches zero.

- When the countdown reaches zero, you can use any repeat, which automatically restarts the countdown from the original value you set whenever zero is reached.
- All of the operations in this section are performed in the Countdown Timer Mode, which you enter by pressing 5.

To use the countdown timer

1. Press 5 while in the Countdown Timer Mode to start the countdown timer.
2. When the countdown is reached and auto-repeat is turned off, the alarm sounds for 10 seconds or until you stop it by pressing any button. The countdown timer measurement operation continues even if you exit the Countdown Timer Mode.
3. To stop a countdown operation completely, first press it by pressing 3, and then press 4. This returns the countdown time to its starting value.

To configure countdown start time and auto-repeat settings

1. While the countdown start time is on the display in the Countdown Timer Mode, hold down 5 until the hour setting of the countdown start time starts to flash, which indicates the setting screen.
   - If the countdown start time is not displayed, use the procedure under “To use the countdown timer” to display it.
2. Press 6 to move the flashing in the sequence shown below, and select the setting you want to change.

<table>
<thead>
<tr>
<th>Auto-repeat on indicator</th>
<th>Start Time (Hours)</th>
<th>Start Time (Minutes)</th>
<th>Auto-Repeat On/Off</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Alarm Operation

The alarm sounds at the preset time for 10 seconds, regardless of the mode the watch is in.

- To stop the alarm tone after it starts to sound, press any button.

To test the alarm

In the Alarm Mode, hold down 6 to sound the alarm.

To turn the Daily alarm and the Hourly Time Signal on and off

In the Alarm Mode, press 7 to cycle through the settings shown below.

- **Alarm Off**
- **Signal Off**
- **Alarm On**
- **Signal On**

- The alarm on indicator and the Hourly time signal on indicator are shown on the display in all modes while these functions are turned on.

World Time

The World Time Mode digitally displays the current time in 50 cities (30 time zones) around the world.

- The times kept in the World Time Mode are synchronized with the time being kept in the Timekeeping Mode. If you feel that there is an error in any World Time Mode time, check the UTC differential of your Home Site Data (Home City) and the current setting of the Timekeeping Mode time.
- Select a city code in the World Time Mode to display the current time in any particular time zone around the globe. See the “City Code List” for information about the UTC differential settings that are supported.
- All of the operations in this section are performed in the World Time Mode, which you enter by pressing 1.

To view the time in another city

While in the World Time Mode, press 5 scroll eastward through the city codes (time zones).

To toggle a city code time between Standard Time and Daylight Saving Time

1. In the World Time Mode, use 1 to display the city code (time zone) whose Standard Time/Daylight Saving Time setting you want to change.
2. Hold down 8 to toggle between Daylight Saving Time (DST indicator displayed) and Standard Time (DST indicator not displayed).
3. The DST indicator is shown on the World Time screen while Daylight Saving Time is turned on.
4. Note that changing the Daylight Saving Time for any city code causes the setting to be applied to all city codes.

Illumination

This watch has an EL (electro-luminescent) panel that causes the entire display to glow for easy reading in the dark.

- Turn off: “Illumination Precautions” for other important information about using illumination.

To turn on illumination

In any mode (except when a setting screen is on the display), press 8 to illuminate the display for about one second.
Auto Return Feature

If you leave a screen with flashing digits on the display without performing any operation for two or three minutes, the watch saves any settings you have made up to that point and exits the setting screen automatically.

The watch will change to the Timekeeping Mode automatically if you do not perform any operation in the Fishing Mode, Temperature Data Recall Mode, Alarm Mode, or Hand Setting Mode for two or three minutes.

Scrolling

The (B) and (C) buttons are used in various modes and setting screens to scroll through data on the display. In most cases, holding down these buttons during a scroll operation scrolls through the data at high speed.

Timekeeping

- Resetting the seconds to 00 while the current count is in the range of 30 to 59 causes the minutes to be increased by 1. In the range of 00 to 29, the seconds are reset to 00 without changing the minutes.
- With the 12-hour format, the P (PM) indicator appears on the display for times in the range of noon to 11:59 p.m. and the A (AM) indicator appears for times in the range of midnight to 11:59 a.m.
- With the 24-hour format, times are displayed in the range of 00:00 to 23:59, without any indicator.
- The year can be set in the range of 2000 to 2099.
- The watch built in full automatic calendar makes allowances for different month lengths and leap years once you set the date, there should be no reason to change it except after you have the watch’s batteries replaced.

World Time

- The seconds count of the World Time is synchronized with the seconds count of the Timekeeping Mode.
- All World Time Mode times are calculated from the current time in the Timekeeping Mode using UTC time differential values.

Illumination Precautions

- The electro-luminescent panel that provides illumination loses power after very long use.
- Illumination may be hard to see when viewed under direct sunlight.
- The watch may emit an audible sound whenever the display is illuminated. This is due to vibration of the EL panel used for illumination, and does not indicate malfunction.
- Illumination turns off automatically whenever an alarm sounds.
- Frequent use of illumination runs down the batteries.

Specifications

Accuracy at normal temperature: ± 30 seconds a month

Digital Timekeeping: Hour, minutes, seconds, a.m. (A)/p.m. (P), day, day of the week

Time setting range: 00:00 to 23:59

Calendar system: Full Auto-calendar pre-programmed from the year 2000 to 2099

Other: Daylight Saving Time (summer time)/Standard Time/Home site data settings (UTC differential and longitude)

Analog Timekeeping: Hour, minutes (hand moves every 20 seconds)

Fishing Mode: Fishing level for a specified date and time; Moon phase indicator and Moon age for a specified date

Thermometer:
- Measurement and display range: –20°C to 60.0°C (or 14.0°F to 140.0°F)
- Thermometer measurement timing: During each even-numbered minute
- Memory measurement timing: At the top and the bottom of each hour
- Memory capacity: Up to 50 sets of data (time, temperature)
- Temperature sensor precision: ± 2°C (± 3.6°F)

Other: Thermometer/temperature-tendency graph switching in the Timekeeping Mode; Temperature unit switching (“C”/“F”); Temperature sensor calibration (Range: ± 0.1°C/±1.8°F and unit: ± 0.1°C/±2.0°F)

Stopwatch:
- Measuring unit: 1/100 second
- Measuring modes: Elapsed time, split time, two finishes

Countdown Timer:
- Measuring unit: 1 second
- Input range: 1 minute to 100 hours (1-minute increments and 1-hour increments)
- Other: Auto-repeat timing

Alarm:
- Daily alarm
- Hourly Time Signal

World Time: 50 cities (30 time zones)
- Other: Standard time/Daylight Saving Time

Illumination: EL (electro-luminescent panel)
- Other: Button operation tone on/off

Battery: Two silver oxide batteries (Type: SR927W)
- Approximately 2 years on type SR927W (assuming alarm operation 10 seconds per day, one illumination operation 1.5 seconds per day, and temperature measurement every 2 minutes)
- Frequent use of illumination shortens the battery life.
### City Code Table

<table>
<thead>
<tr>
<th>City Code</th>
<th>City</th>
<th>UTC Offset/GMT Differential</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPG</td>
<td>Pago Pago</td>
<td>–11.0/–10.0</td>
</tr>
<tr>
<td>HNL</td>
<td>Honolulu</td>
<td>–10.0/–9.0</td>
</tr>
<tr>
<td>ANC</td>
<td>Anchorage</td>
<td>–9.0/–8.0</td>
</tr>
<tr>
<td>YVR</td>
<td>Vancouver</td>
<td>–8.0/–7.0</td>
</tr>
<tr>
<td>SFO</td>
<td>San Francisco</td>
<td>–8.0/–7.0</td>
</tr>
<tr>
<td>LAX</td>
<td>Los Angeles</td>
<td>–8.0/–7.0</td>
</tr>
<tr>
<td>DEN</td>
<td>Denver</td>
<td>–7.0/–6.0</td>
</tr>
<tr>
<td>MEX</td>
<td>Mexico City</td>
<td>–6.0/–5.0</td>
</tr>
<tr>
<td>CHI</td>
<td>Chicago</td>
<td>–5.0/–4.0</td>
</tr>
<tr>
<td>MIA</td>
<td>Miami</td>
<td>–5.0/–4.0</td>
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<tr>
<td>NYC</td>
<td>New York</td>
<td>–5.0/–4.0</td>
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<tr>
<td>CCS*</td>
<td>Caracas</td>
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<td>Praia</td>
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<td>1.0/2.0</td>
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<td>Paris</td>
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<td>3.0/4.0</td>
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<tr>
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<td>Rome</td>
<td>4.0/5.0</td>
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<tr>
<td>IST</td>
<td>Istanbul</td>
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<td>11.0/12.0</td>
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<tr>
<td>JED</td>
<td>Jeddah</td>
<td>12.0/13.0</td>
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<tr>
<td>THR</td>
<td>Tehran</td>
<td>13.0/14.0</td>
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<tr>
<td>DXB</td>
<td>Dubai</td>
<td>14.0/15.0</td>
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<tr>
<td>KBL</td>
<td>Kabul</td>
<td>15.0/16.0</td>
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<tr>
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<td>Karachi</td>
<td>16.0/17.0</td>
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<tr>
<td>MLE</td>
<td>Male</td>
<td>17.0/18.0</td>
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</table>

### Site Data List

<table>
<thead>
<tr>
<th>Site</th>
<th>Standard Time</th>
<th>Summer Time</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anchorage</td>
<td>–6.0</td>
<td>–7.0</td>
<td>149°W</td>
</tr>
<tr>
<td>Baja, California</td>
<td>–7.0</td>
<td>–8.0</td>
<td>118°W</td>
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<tr>
<td>Boston</td>
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<td>–6.0</td>
<td>71°W</td>
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<tr>
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<td>–8.0</td>
<td>118°W</td>
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<td>Christmas Island</td>
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<td>–11.0</td>
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<td>+15.0</td>
<td>149°E</td>
</tr>
<tr>
<td>Great Barrier Reef, Cairns</td>
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<td>144°E</td>
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<tr>
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<td>+9.0</td>
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<tr>
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<tr>
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<td>Los Angeles</td>
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<tr>
<td>Tokyo</td>
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</tr>
</tbody>
</table>

*Based on data as of March 2008.

* The rules governing global times (GMT differential and UTC offset) and summer times are determined by each individual country.

* In December 2007, Venezuela changed its offset from –4 to –4.5. Note however, that this watch displays an offset of –4 (the old offset) for the CCS (Caracas, Venezuela) city code.

Based on data as of 2008.