



**yes**

# **Instruction Manual**

## **3.0**

**24 hour digital solunar quartz movement**

**tati**

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### **Welcome to the Ownership of a YES Watch.**

YES is a complex timekeeper that offers layers of time not usually found in a wristwatch.

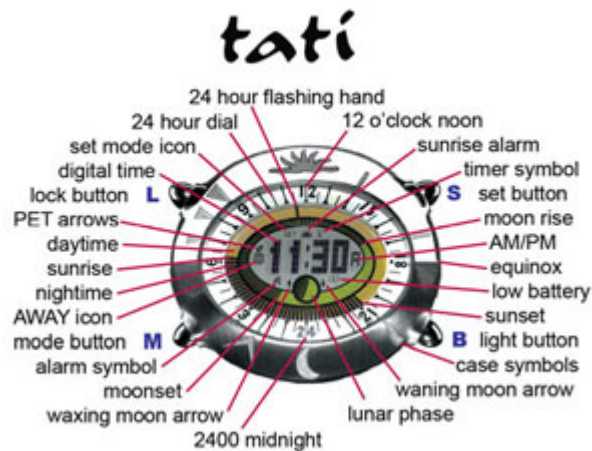
Solar time, lunar time, digital time, military time and many other features are all combined into one.

We strongly recommend reading this manual to learn about all the unique applications in order to get the most out of your new watch.

[www.yeswatch.com](http://www.yeswatch.com)

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## Basic Button Functions

**M** = The **M**ode button is used to cycle through these modes:  
**SHOWING TIME** (for HOME or AWAY)

**SET HOME > SET AWAY > SET TIME > ALARM**

**SET LCD RING > STOPWATCH > TIMER > CALC > PET**

Pushing **M** during setting sequences will revert the LCD display to **SHOWING TIME**.

**S** = The **S**et button is used to enter selected mode and set time data. When **SHOWING TIME** it is used to review time data and toggle between HOME and AWAY locations.

**L** = The **L**ock button is used to lock settings, change LCD between **hr : min** and **min : sec** read out, to start & lap the CHRONO and to start & stop the TIMER functions.

**B** = The **B**ack light button is used to turn the light on, turn the digits off and step backwards during setting sequence.

Please note that for the watch to operate correctly,  
 location and time must be set.

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## How to set HOME and AWAY locations.

The watch is pre-programmed for 586 locations worldwide through the years 2000 - 2099. The city listing is in alphabetical order.

Push **M** once until display reads **SET HOME**, then push **S** to enter the alphabetical setting sequence. The letter **A** will flash.

(Please note that a tiny icon above the digits/letters indicates **SET**.)

Push **S** until you reach the first letter of your city, then push **L** to enter city listing. Continue pushing **S** until your city appears. If you pass your selection, push **B** to go backwards. Then push **L** to lock the selection. The display will read **WAIT** and then display location and time.

To set your **AWAY** location push **M** twice until display reads **SET AWAY** and follow the same procedure as above.

To toggle back and forth between time for **HOME** and **AWAY** locations, push **S** twice quickly. A globe to the left of the digits indicates the **AWAY** mode.

Pushing **M** anytime during setting procedures, or pushing no button at all for 2 minutes, will return the watch to previous setting.

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## How to set Location by Latitude and Longitude.

To do this you need to know latitude, longitude, time zone and DST system for your location. Go to **LAT/LON** under **L** in city listing for either **SET HOME** or **SET AWAY** mode, then push **S** to enter the setting sequence guided by flashing letter or number. Push **S** to set (**B** to go back) and **L** to lock each flashing digital readout.

The setting sequence is as follows:

1. Latitude: **S**=south ~ **N**=north / **0** ~ **90** degrees
2. Longitude: **E**=east ~ **W**=west / **0** ~ **180** degrees
3. Time Zone: Plus/minus **12** hours in **30** min increments
4. DST choices: **USA** - **EUROPe** - **AUSTR**alia  
- **LATiN** America or **NO DST**

Once completed the display will read **WAIT** and show time.

- To determine your **LAT/LON** see an atlas or the internet.
- To determine your time zone see map on inside back panel.
- To determine DST system, see page 24 or contact local source.

Please note that the calculations for setting locations and time may take up to 45 seconds.

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## How to set Time.

Push **M** three times until **SET TIME** is displayed and then push **S** to enter the setting sequence. Push **S** to set (**B** to go backwards) and then push **L** to lock each setting in the following sequence of flashing letters and numbers:

1. Choose display mode: **AM/PM** or **24 HR**.
2. Then set: **YEAR** > **MONTH** > **DATE**
3. Then finally set: **HOURS** > **MINUTES**

When you lock the minutes the display will read **WAIT** and the seconds will start counting.

Now that you have set time for **HOME** location, your watch will automatically adjust time for **AWAY** location, all other time data, as well as any future changes in **HOME** location.

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# How To Tell Time.

The YES watch offers an extensive universe of time data.

The following are descriptions of the various aspects and how to use them to your full advantage.

## Digital time

When setting time you choose **AM/PM** or **2400** military time mode.

- When **SHOWING TIME** the digits display **hr : min.**
- If you push **L** once you can change the display to show **min : sec.** Push **L** again to go back to **hr : min.**
- Pushing **B** twice will turn digital time off. Pushing any button will turn it back on.

## Solar time

The outer golden LCD ring show times for sunrise and sunset. The light part shows daytime, the dark part shows nighttime. The 24 hour flashing hand, which tracks the sun's path across the sky, points to time on the 24-hour dial, noon on top, midnight on bottom.

The sun and moon calculations are updated at midnight for the next 24 hours. On some dates the time for moonrise/set falls after this time frame, in which case relevant moon data will display as --:--. In these cases the inner yellow lunar ring will still indicate correct times for moonrise/set.

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## Lunar time

The inner yellow LCD ring show times for moonrise and moonset, and when the moon is up and down. The smaller circle below the digits indicates lunar phase. The tiny arrows indicate a waxing (arrow pointing up) or waning (arrow pointing down) moon.

## 24 hour time

The oval dial represents a 24-hour time cycle. 12 o'clock noon is on top, 12 o'clock (2400) midnight is on the bottom. 6 in the morning is on the left and 6 in the evening (1800) is on the right.

## Case Symbols

The symbols coordinate to a 24-hour dial, but can be also used as symbols for personal daily events. You choose the meaning.

## Back light.

Push **B** once to turn back light on for 3 seconds. When setting the watch at night, push **B** frequently to keep the backlight on. To use backlight during time data review, push **B**.

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## Daily time review.

When **SHOWING TIME** the digits display **hr : min** or **min : sec** for **HOME** or **AWAY** location, depending on your choice.

- Push **S** once and **month : date** and **day** will display for 3 seconds.
- Pushing **S** twice will take you to the other location. The AWAY location is indicated by a globe.
- Push and hold **S** for 2 seconds and the following sequence of time data will display:

**Location > Year**  
**DOY**(day of year) > **Week Number** > **LAT/LON**  
**SR** (sunrise) > **SN** (solar noon) > **SS** (sunset)  
**%Lunar Illumination** > **MR** (moonrise) > **MS** (moonset)  
**NM** ( **month : date** and **hr : min** of next new moon)  
**FM** ( **month : date** and **hr : min** of next full moon)

Each will display for 5 seconds unless you push **S** to manually cycle through the sequence quicker. Or push **L** to change to the next group of data in the sequence of:

**CITY & TIME** data > **SUN** data > **MOON** data.

Push **M** anytime during the sequence to return to **SHOWING TIME**.

All calendar systems are based upon the sun and the moon.  
The YES time keepers alerts you to the following events:

### **solstice & equinox dates**

On solstice and equinox dates the LCD center segments will turn into a thin ray sun display. Every 30 minutes the event name will flash for 30 seconds. To show regular time display, push and hold **S** for 2 seconds.

### **Cross quarters**

On cross quarter dates, the days halfway in between equinoxes and solstices, the LCD center segments will turn into a thick ray sun display. Every 30 minutes the event name will flash for 30 seconds. To show regular time display, push and hold **S** for 2 seconds.

Following is the sequence of the above mentioned dates:

WINTER SOLSTICE >> IMBOLC  
 SPRING EQUINOX >> BELTAINE  
 SUMMER SOLSTICE >> LAMMAS  
 FALL EQUINOX >> SAMHAIN

## **How to set and use the Alarms.**

Push **M** 4 times until display reads **ALARM** and push **S** to enter setting sequence. Initially **00:00** will display; once set the actual alarm time will show. Push **S** to set (**B** to go back) and **L** to lock alarm time. First set the **hours**, then **minutes**. When the sound symbol below the digital time is displayed, the alarm, with a 10-minute snooze, will sound.

To activate the automatic sunrise/sunset alarm, push **M** 4 times until display reads **ALARM** and then push **L** until the rising sun symbol shows above the digital time. This alarm chimes half hour before and at sunrise/sunset.

While in this mode pushing **L** will activate both, either or no alarm, as indicated by the respective symbols.

Push **M** to return to **SHOWING TIME**.

## How to set The Inner LCD ring.

Push **M** 5 times until **SET RING** displays, then push **L** to review setting, or press **S** to set and **L** to lock selection. The choices are:

**MR/MS** = LCD ring will show times for moonrise and moonset, moon up and moon down for location displayed.

**SR/SS** = LCD ring will show solar time, times for sunrise and sunset, ratio of day and night, for the alternate location.

The watch will show **MR/MS** if watch is restarted, battery exchanged or if no choice has been made.

## How to use the Stopwatch.

Push **M** 6 times until display reads **00:00c**.

Push **L** to start stopwatch and **S** to stop it. Time elapsed will display. Pushing **S** again will reset stopwatch at **00:00c**.

For lap time push **L** to start and then push **L** again to display lap time for 5 seconds before new lap time is automatically counted, up to 99 min 59 sec. Pushing **S** will show combined time of all laps. Push **S** again to reset to **00:00c**. or push **M** to return to time.

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## How to use the Timer.

Push **M** 7 times until display reads 00:00 and the tiny hourglass symbol above the digits appear. Push **S** to set (**B** to go back) and **L** to lock the timer data, up to 99 min 59 sec. First set the minutes, then seconds. Push **L** to start timer countdown. At zero a 15 second alarm will chime. When re-entering timer mode, or pressing **S** after the timer has stopped, the display will show last setting.

## Restarting the watch.

The watch can be restarted by pushing all 4 buttons at once, which will cancel all previous settings, sound alarm, flash display, turn back light on and then start running time from **01-01-2005** with **Los Angeles** as **HOME** and **Paris** as **AWAY**. Location and time must be set. If pushing all 4 has no effect a new battery is needed.

## Auto return.

If you enter any mode, except for **STOPWATCH**, **TIMER** and **PET**, the watch will automatically return to showing time after about 2 minutes of no operation. To exit any of these three modes push **M**.

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## How to use Past & Future time data calculator.

This function will give you sun and moon data for any location the years 2000 through 2099.

Push **M** 8 times until display reads **CALC** and then push **S** to set (**B** to go backwards) and **L** to lock each setting in the following sequence of flashing digital readouts:

LOCATION > YEAR > MONTH > DATE

The display will read **WAIT**, and then show location followed by the same time data as described above.

The last setting will be shown when re-entering **CALC** mode. Push **L** to review data for this setting. Pushing **L** during data review sequence will change display to the next group in the following sequence.

CITY & TIME data > SUN data > MOON data

Pushing **S** during review brings you to setting sequence.

Push **M** anytime to return to regular time display.

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## **How to use Phase Elapsed Time countdown.**

The **PET** function will count down the days and time before a specific event, and count up the days and time after the event, up to 9999 days each way.

Push **M** 9 times until **PET** displays and then push **S** to enter setting. Push **S** to set (**B** to go back) and **L** to lock each segment in the flashing sequence of:

YEAR > MONTH > DATE > HOUR > MINUTE.

Once set the display will show time of event and then how many days are left, before it returns to continuously showing countdown in **hours**, **minutes** and for the last minute in **seconds**.

To exit PET push **M** once to **SHOWING TIME**.

Push **M** 9 times to re-enter **PET**. When re-entering mode pushing **L** will show previously set PET data, while pushing **S** will enter the setting sequence.

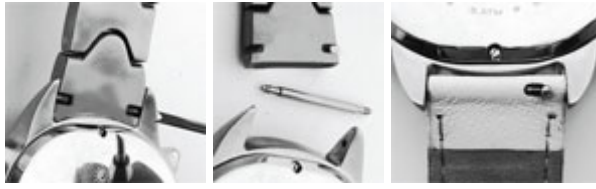
There is a 30 second countdown alarm prior to the event, after which the display starts counting up.

The countdown event refers to time for **HOME** location only.

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## **How to exchange Tati bracelet.**

Release the metal bracelet by inserting the fork-end of the dual pick into the slot on the back of the bracelet attachment link, leveraging it carefully, but firmly, outwards to release the spring loaded pin. The 18 mm bracelet attachment will accept a variety of bracelets. The YES leather cuff bracelets for the TATI and LUNA models features a quick release spring pin for easy exchange.



Please note that the work involved with adjusting and exchanging the bracelets are the work of a jeweler. We have included the basic tools for you to do it yourself. Work from the back on a soft surface. If in doubt take it to a professional.

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## Battery Care.

There is one lithium battery #CR2025 in the watch for the LCD module with an expected lifetime of 12-24 months.

When the LCD battery goes low, the display will show a low battery icon on the right bottom side of digital time. Please note that a frozen, a partial or weak LCD display are also signs of a low battery. To exchange the battery send the watch to us, or take it to your local jeweler. Ask your jeweler to be careful and to ensure proper seating of O-ring before screwing the back on.

## Water Resistance.

The watches are constructed to 5 ATM = 150 feet = 50 meters specifications. They are designed to handle submersion in water, but we do not recommend diving with them.

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## DST Considerations

Across the world there are upwards of a dozen different DST systems of which some are determined on an annual basis by local governments. When setting location by any of the 586 city listings DST has already been programmed.

In the event you need to manually adjust DST go to **SET HOME** or **SET AWAY** and then push **L** and **DST AUTO** will display. Push **S** to cycle through **DST AUTO ~ DST ON ~ DST OFF** choices and push **L** to lock your selection. This feature applies to locations set by **LAT/LON** as well.

The following are DST standards used which can be chosen when setting location by latitude and longitude:

**USA DST = SA** = Standard American DST. Starting Spring 2007 DST begins on the second Sunday of March and ends on the first Sunday in November. On the second Sunday of March clocks are set ahead one hour at 2:00 am local standard time which becomes 3:00 am local daylight time. On the first Sunday in November clocks are set back one hour at 2:00am local daylight time, which becomes 1:00 am local standard time.

**EURO DST = SE** = Standard European DST. DST begins at 1 am local time on the last Sunday of March and ends at 1 am local time on the last Sunday of October.

**AUST DST = SD** = Australian DST. At 2 am South Australian standard time on the last Sunday of October you set your clock 1 hour forward, and at 3 am South Australian summer time on the last Sunday of March you set your clock 1 hour back.



**LATN DST** = **SB** = South Brazilian DST. At 2 am Southern Brazil standard time on the last Sunday of October time is set 1 hour forward and at 3 am South Brazil summer time on the third Sunday of February time is set 1 hour back. Some local variations may apply.

**NO DST** = **NO** = No change in DST. Places that do not observe DST, among them Hawaii, Arizona, Africa, most of Asia and parts of South America.

For following areas these DST standards were used:

**SC** = Chile DST begins on second Sunday of October and ends on second Sunday of March. Applies to a total of 5 cities in listing.

**SP** = Paraguay DST. Starts first Sunday in September and ends first Sunday in April. Applies to 1 city listing.

**SG** = Egypt DST. Begins last Friday in April, ends last Thursday in September. Applies to 2 city listings.

**SN** = Namibia DST. DST begins first Sunday in September, ends first Sunday in April. 1 city listing.

**SZ** = New Zealand DST begins first Sunday of October and ends third Sunday in March. 4 city listings. Again, set by local government annually.

**ST** = Tasmania DST begins first Sunday in October and ends last Sunday in March. 1 listing.

**SO** = Tonga DST starts first Sunday in November, ends last Sunday in January.

**SI** = Iraq and Syria DST starts April 1 and ends October 1.

**SS** = Israel starts DST last Thursday in March, ends first Thursday in October. Decided annually. 1 city.

**SQ** = Iran DST starts 21st March, ends 23rd September. 5 city listings.

**SU** = Ulan Bataar DST starts last Saturday in March, ends last Saturday in September.

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## Alphabetical City Listing.

Please note that .3 decimal indicates 30 minutes.

| City Listing | LCD display | LAT / LON  | DST | Zone |
|--------------|-------------|------------|-----|------|
| Aberdeen     | ABERDEN     | 57n / 2w   | se  | 0    |
| Abha         | ABHA        | 18n / 43e  | no  | 3    |
| Abidjan      | ABIDJAN     | 6n / 4w    | no  | 0    |
| Abilene      | ABILENE     | 32n / 100w | sa  | -6   |
| Abu Dhabi    | ABUDABI     | 24n / 55e  | no  | 4    |
| Abuja        | ABUJA       | 9n / 7e    | no  | 1    |
| Acapulco     | ACAPULC     | 17n / 100w | sa  | -6   |
| Accra        | ACCRA       | 6n / 0     | no  | 0    |
| Adelaide     | ADELAID     | 35s / 139e | sd  | 9.3  |
| Aden         | ADEN        | 13n / 45e  | no  | 3    |
| Adis Abeba   | ADISABE     | 9n / 38e   | no  | 3    |

|                 |         |            |    |     |
|-----------------|---------|------------|----|-----|
| Ahmadabad       | AHMABAD | 23n / 73e  | no | 5.3 |
| Albany, NY      | ALBANY  | 43n / 74w  | sa | -5  |
| Albuquerque     | ALBUQRQ | 35n / 107w | sa | -7  |
| Alegre          | ALEGRE  | 30s / 51w  | sb | -3  |
| Aleppo          | ALEPPO  | 36n / 37e  | si | 2   |
| Alesund         | ALESUND | 62n / 6e   | se | 1   |
| Al-Fashir       | ALFASHI | 13n / 25e  | no | 2   |
| Algiers         | ALGIERS | 37n / 3e   | no | 1   |
| Alicant         | ALICANT | 38n / 1e   | se | 1   |
| Alice Springs   | ALICSPG | 23s / 134e | no | 9.3 |
| Amarillo        | AMARILO | 35n / 102w | sa | -6  |
| Amman           | AMMAN   | 32n / 36e  | se | 2   |
| Amsterdam       | AMSTRDA | 52n / 5e   | se | 1   |
| Anchorage, AL   | ANCHRGE | 61n / 150w | sa | -9  |
| Ankara          | ANKARA  | 40n / 33e  | se | 2   |
| Antafogasta     | ANTFGSA | 24s / 70w  | sc | -4  |
| Antigua         | ANTIGUA | 17n / 62w  | no | -4  |
| Aracaju         | ARACAJU | 11s / 37w  | no | -3  |
| Archangelsk     | ARCNGSK | 64n / 41e  | se | 3   |
| Arhus           | ARHUS   | 56n / 10e  | se | 1   |
| Asheville       | ASHEVIL | 36n / 83w  | sa | -5  |
| Asmera          | ASMERA  | 15n / 38e  | no | 3   |
| Asuncion        | ASUNCIO | 25s / 58w  | sp | -4  |
| Aswan           | ASWAN   | 24n / 33e  | sg | 2   |
| Athens          | ATHENS  | 38n / 24e  | se | 2   |
| Atlanta         | ATLANTA | 34n / 84w  | sa | -5  |
| Atlantic City   | ATLNTCT | 39n / 75w  | sa | -5  |
| Auckland        | AUCKLND | 37s / 175e | sz | 12  |
| Augusta,GA      | AUGUSTA | 33n / 82w  | sa | -5  |
| Austin, TX      | AUSTIN  | 30n / 98w  | sa | -6  |
| Azores          | AZORES  | 38n / 26w  | no | -1  |
| Baghdad         | BAGHDAD | 33n / 44e  | si | 3   |
| Bahia Blanca    | BAHBLNC | 38s / 63w  | no | -3  |
| Bahrain         | BAHRAIN | 26n / 50e  | no | 3   |
| Bakersfield, CA | BAKRSFL | 35n / 119w | sa | -8  |
| Baku            | BAKU    | 41n / 49e  | se | 4   |
| Bakwanga        | BAKWANG | 6s / 23e   | no | 2   |
| Bali            | BALI    | 8s / 115e  | no | 8   |
| Baltimore, MD   | BALTIMR | 39n / 77w  | sa | -5  |
| Bamako          | BAMAKO  | 13n / 8w   | no | 0   |
| Banghazi        | BANGHAZ | 32n / 21e  | no | 1   |
| Bangkok         | BANGKOK | 14n / 101e | no | 7   |
| Bangalore       | BANGLOR | 13n / 77e  | no | 5.3 |
| Bangor,ME       | BANGOR  | 45n / 69w  | sa | -5  |
| Bangui          | BANGUI  | 4n / 18e   | no | 1   |
| Banjarmasin     | BANJRMS | 3s / 115e  | no | 8   |

|               |         |            |    |     |
|---------------|---------|------------|----|-----|
| Barbados      | BARBADO | 13n / 60w  | no | -4  |
| Barcelona     | BARCLNA | 42n / 2e   | se | 1   |
| Bari          | BARI    | 41n / 17e  | se | 1   |
| Basel         | BASEL   | 47n / 7e   | se | 1   |
| Baton Rouge   | BATNROU | 31n / 91w  | sa | -6  |
| Bayamo        | BAYAMO  | 21n / 77w  | sa | -5  |
| Beaumont, TX  | BEAMONT | 30n / 94w  | sa | -6  |
| Beijing       | BEIJING | 40n / 116e | no | 8   |
| Beira         | BEIRA   | 19s / 35e  | no | 2   |
| Beirut        | BEIRUT  | 34n / 36e  | se | 2   |
| Belem         | BELEM   | 2s / 48w   | no | -3  |
| Belfast       | BELFAST | 54n / 6w   | se | 0   |
| Belgaum       | BELGAUM | 16n / 74e  | no | 5.3 |
| Belgrade      | BELGRAD | 45n / 20e  | se | 1   |
| Belize City   | BELIZE  | 17n / 88w  | no | -6  |
| Benares       | BENARES | 25n / 83e  | no | 5.3 |
| Bergen        | BERGEN  | 61n / 6e   | se | 1   |
| Berlin        | BERLIN  | 52n / 13e  | se | 1   |
| Bermuda       | BERMUDA | 65w / 32n  | sa | -4  |
| Big Sur       | BIG SUR | 36n / 121w | sa | -8  |
| Bilbao        | BILBAO  | 43n / 3w   | se | 1   |
| Billings      | BILLING | 46n / 109w | sa | -7  |
| Bismarck      | BISMARC | 47n / 101w | sa | -6  |
| Bissau        | BISSAU  | 12n / 15w  | no | 0   |
| Blantyre      | BLANTYR | 16s / 35e  | no | 2   |
| Bloemfontein  | BLOMFNT | 29s / 26e  | no | 2   |
| Bodo          | BODO    | 67n / 15e  | se | 1   |
| Bogota        | BOGOTA  | 4n / 74w   | no | -5  |
| Boise, ID     | BOISE   | 44n / 116w | sa | -7  |
| Bologna       | BOLOGNA | 44n / 11e  | se | 1   |
| Bombay        | BOMBAY  | 19n / 73e  | no | 5.3 |
| Bordaux       | BORDAUX | 45n / 1w   | se | 1   |
| Boston        | BOSTON  | 42n / 71w  | sa | -5  |
| Bouake        | BOUAKE  | 8n / 5w    | no | 0   |
| Brasilia      | BRASILA | 16s / 48w  | sb | -3  |
| Brisbane      | BRISBNE | 27s / 153e | no | 10  |
| Birmingham,GB | BRMGHGB | 52n / 2w   | se | 0   |
| Birmingham,US | BRMGHUS | 33n / 87w  | sa | -6  |
| Brownsville   | BRONSVL | 26n / 98w  | sa | -6  |
| Brunei        | BRUNEI  | 5n / 115e  | no | 8   |
| Bruxelles     | BRUXELL | 51n / 4e   | se | 1   |
| Bucharest     | BUCARST | 44n / 26e  | se | 2   |
| Budapest      | BUDAPST | 47n / 19e  | se | 1   |
| Buenos Aires  | BUENAIR | 35s / 58w  | no | -3  |
| Buffalo       | BUFFALO | 43n / 79w  | sa | -5  |
| Bujumbura     | BUJUMBR | 3s / 30e   | no | 2   |

|                    |          |            |    |     |
|--------------------|----------|------------|----|-----|
| Burlington         | BURLGTN  | 44n / 73w  | sa | -5  |
| Bur Sudan          | BURSUDA  | 19n / 37e  | no | 2   |
| Butte              | BUTTE    | 46n / 113w | sa | -7  |
| Cabo San Lucas     | CABO     | 23n / 110w | sa | -7  |
| Cagliari           | CAGLIAR  | 39n / 9e   | se | 1   |
| Cairns             | CAIRNS   | 17s / 145e | no | 10  |
| Cairo              | CAIRO    | 30n / 31e  | sg | 2   |
| Calcutta           | CALCUTA  | 23n / 88e  | no | 5.3 |
| Calgary            | CALGARY  | 51n / 114w | sa | -7  |
| Cali               | CALI     | 3n / 77w   | no | -5  |
| Canberra           | CANBERA  | 35s / 149e | sd | 10  |
| Cancun             | CANCUN   | 21n / 87w  | sa | -6  |
| Cape Town          | CAPTOWN  | 33s / 19e  | no | 2   |
| Caracas            | CARACAS  | 10n / 67w  | no | -4  |
| Cardiff            | CARDIFF  | 52n / 3w   | se | 0   |
| Cartagena          | CARTAGN  | 10n / 75w  | no | -5  |
| Casablanca         | CASABLN  | 33n / 7w   | no | 0   |
| Casper             | CASPER   | 43n / 106w | sa | -7  |
| Cayenne            | CAYENNE  | 5n / 53w   | no | -3  |
| Cebu               | CEBU     | 10n / 124e | no | 8   |
| Chaco Canyon       | CHACO    | 37n / 108w | sa | -7  |
| Changsha           | CHANGSH  | 28n / 113e | no | 8   |
| Charlotte          | CHARLOT  | 35n / 81w  | sa | -5  |
| Charleston         | CHARLST  | 33n / 80w  | sa | -5  |
| Chengdu            | CHENGDU  | 31n / 104e | no | 8   |
| Chiang Mai         | CHIANGM  | 19n / 99e  | no | 7   |
| Chicago            | CHICAGO  | 42n / 88w  | sa | -6  |
| Chihuahua          | CHIHUAH  | 29n / 106w | sa | -6  |
| Chongquin          | CHONQIN  | 29n / 107e | no | 8   |
| Christchurch       | CHRSTCH  | 43s / 172e | sz | 12  |
| Cincinnati         | CINCINAT | 39n / 84w  | sa | -5  |
| Cleveland          | CLEVLND  | 41n / 82w  | sa | -5  |
| Campo Grande       | CMPGRND  | 21s / 55w  | sb | -4  |
| Columbia,SC        | COLMBIA  | 34n / 81w  | sa | -5  |
| Colorado Springs   | COLOSPN  | 39n / 105w | sa | -7  |
| Columbus, GA       | COLUMBG  | 32n / 85w  | sa | -5  |
| Columbus, OH       | COLUMBO  | 40n 83w    | sa | -5  |
| Comodore Rivadavia | COMRIVA  | 46s / 68w  | no | -3  |
| Conakry            | CONAKRY  | 10n / 13w  | no | 0   |
| Concepcion         | CONCPCN  | 37s / 73w  | sc | -4  |
| Copenhagen         | COPNHGN  | 56n / 12e  | se | 1   |
| Cordoba            | CORDOBA  | 32s / 64w  | no | -3  |
| Cork               | CORK     | 52n / 9w   | se | 0   |
| Corpus Christi     | CORPSCH  | 28n / 98w  | sa | -6  |
| Coruna             | CORUNA   | 43n / 8w   | se | 1   |
| Cuiaba             | CUIABA   | 16s / 56w  | sb | -4  |

|                     |          |            |    |     |
|---------------------|----------|------------|----|-----|
| Curitiba            | CURITIB  | 26s / 49w  | sb | -3  |
| Cusco               | CUSCO    | 13s / 72w  | no | -5  |
| Cuttack             | CUTTACK  | 21n / 86e  | no | 5.3 |
| Da Nang             | DA NANG  | 16n / 108e | no | 7   |
| Dakar               | DAKAR    | 15n / 17w  | no | 0   |
| Dallas / Fort Worth | DALLAS   | 33n / 97w  | sa | -6  |
| Damascus            | DAMASCUS | 33n / 36e  | si | 2   |
| Darwin              | DARWIN   | 13s / 131e | no | 9.3 |
| Davao               | DAVAO    | 7n / 126e  | no | 8   |
| Davenport           | DAVNPRT  | 41n / 90w  | sa | -6  |
| Daytona Beach       | DAYTONA  | 29n / 81w  | sa | -5  |
| Decatur             | DECATUR  | 40n / 89w  | sa | -6  |
| Denver              | DENVER   | 40n / 105w | sa | -7  |
| Des Moines          | DESMOIN  | 42n / 94w  | sa | -6  |
| Detroit             | DETROIT  | 42n / 83w  | sa | -5  |
| Dhaka               | DHAKA    | 24n / 91e  | no | 6   |
| Djibouti            | DJIBOUT  | 12n / 43e  | no | 3   |
| Dar Es Salaam       | DRSALAM  | 7s / 39e   | no | 3   |
| Dublin              | DUBLIN   | 53n / 7w   | se | 0   |
| Duluth              | DULUTH   | 47n / 92w  | sa | -6  |
| Dunedin             | DUNEDIN  | 46s / 170e | sz | 12  |
| Durban              | DURBAN   | 30s / 31e  | no | 2   |
| Edinburg            | EDINBRG  | 56n / 3w   | se | 0   |
| Edmonton            | EDMONTN  | 54n / 113w | sa | -7  |
| El Paso             | EL PASO  | 32n / 107w | sa | -7  |
| Elko                | ELKO     | 41n / 116w | sa | -8  |
| Elverum             | ELVERUM  | 61n / 11e  | se | 1   |
| Enugu               | ENUGU    | 6n / 7e    | no | 1   |
| Esfahan             | ESFAHAN  | 33n / 52e  | sq | 3.3 |
| Eugene              | EUGENE   | 44n / 123w | sa | -8  |
| Fargo               | FARGO    | 47n / 97w  | sa | -6  |
| Fayetteville        | FAYETVL  | 35n / 79w  | sa | -5  |
| Fiji                | FIJI     | 18s / 178e | no | 12  |
| Firenze             | FIRENZE  | 44n / 11e  | se | 1   |
| Flagstaff           | FLAGSTF  | 35n / 112w | no | -7  |
| Fortaleza           | FORTALZ  | 4s / 39w   | no | -3  |
| Freetown            | FREETWN  | 8n / 13w   | no | 0   |
| Fresno              | FRESNO   | 37n / 120w | sa | -8  |
| Frankfurt           | FRNKFRT  | 50n / 9e   | se | 1   |
| Fort Bragg, CA      | FRTBRGC  | 39n / 123w | sa | -8  |
| Fort Bragg, NC      | FRTBRGN  | 35n / 79w  | sa | -5  |
| Fukuoka             | FUKUOKA  | 33n / 131e | no | 9   |
| Fuzhou              | FUZHOU   | 26n / 119e | no | 8   |
| Gaborona            | GABORNA  | 24s / 26e  | no | 2   |
| Galapagos           | GALAPGS  | 0 / 90w    | no | -6  |
| Gdansk              | GDANSK   | 54n / 19e  | se | 1   |

|                    |         |            |    |     |
|--------------------|---------|------------|----|-----|
| Geneva             | GENEVA  | 46n / 6e   | se | 1   |
| Genova             | GENOVA  | 45n / 9e   | se | 1   |
| Georgetown         | GEORGTN | 7n / 58w   | no | -4  |
| Gibraltar          | GIBRALT | 36n / 6w   | se | 1   |
| Glace Bay          | GLACBAY | 46n / 60w  | sa | -4  |
| Glasgow            | GLASGOW | 56n / 4w   | se | 0   |
| GMT                | GMT     | 0 / 0      | no | 0   |
| GORKI              | GORKI   | 56n / 44e  | se | 3   |
| Gothenburg         | GOTNBRG | 58n / 12e  | se | 1   |
| Greenville         | GREENVL | 35n / 82w  | sa | -5  |
| Green Bay          | GRENBAY | 44n / 88w  | sa | -6  |
| Grand Canyon       | GRNDCYN | 36n / 112w | no | -7  |
| Grand Junction     | GRNDJUN | 39n / 108w | sa | -7  |
| Great Barrier Reef | GRTBARE | 20s / 150e | no | 10  |
| Great Falls        | GRTFALS | 47n / 111w | sa | -7  |
| Guadalajara        | GUADALA | 21n / 103w | sa | -6  |
| Guam               | GUAM    | 13n / 145e | no | 10  |
| Guangzhou          | GUANGZO | 23n / 113e | no | 8   |
| Guatemala          | GUATMLA | 15n / 91w  | no | -6  |
| Guayana            | GUAYANA | 8n / 63w   | no | -4  |
| Guayaquil          | GUAYAQL | 2s / 80w   | no | -5  |
| Guiyang            | GUIYANG | 27n / 107e | no | 8   |
| Ha Noi             | HA NOI  | 21n / 106e | no | 7   |
| Haikou             | HAIKOU  | 20n / 110e | no | 8   |
| Halifax            | HALIFAX | 45n / 64w  | sa | -4  |
| Hamburg            | HAMBURG | 54n / 10e  | se | 1   |
| Hana               | HANA    | 21n / 156w | no | -10 |
| Harare             | HARARE  | 18s / 31e  | no | 2   |
| Harbin             | HARBIN  | 46n / 127e | no | 8   |
| Hargeysa           | HARGEYS | 9n / 44e   | no | 3   |
| Hartford           | HARTFRD | 42n / 73w  | sa | -5  |
| Havana             | HAVANA  | 23n / 82w  | sa | -5  |
| Port Hedland       | HEDLAND | 21s / 118e | no | 8   |
| Helsinki           | HELSINK | 61n / 25e  | se | 2   |
| Hermosillo         | HERMSIL | 29n / 111w | sa | -7  |
| Hilo               | HILO    | 20n / 155w | no | -10 |
| Hobart             | HOBART  | 43s / 147e | st | 10  |
| Hong Kong          | HONGKON | 23n / 114e | no | 8   |
| Honolulu           | HONOLUL | 21n / 158w | no | -10 |
| Horizonte          | HORIZNT | 20s / 44w  | sb | -3  |
| Houston            | HOUSTON | 30n / 95w  | sa | -6  |
| Harrisburg         | HRISBRG | 40n / 77w  | sa | -5  |
| Huambo             | HUAMBO  | 13s / 16e  | no | 1   |
| Hyderabad          | HYDRBAD | 17n / 78e  | no | 5.3 |
| Ibiza              | IBIZA   | 39n / 1e   | se | 1   |
| Iguacu             | IGUACU  | 26s / 54w  | sb | -4  |

|                   |         |            |    |     |
|-------------------|---------|------------|----|-----|
| Indianapolis      | INDNPLS | 40n / 86w  | sa | -5  |
| Indore            | INDORE  | 23n / 76e  | no | 5.3 |
| Innsbruck         | INSBRCK | 47n / 11e  | se | 1   |
| Iquitos           | IQUITOS | 4s / 73w   | no | -5  |
| Iraklion          | IRAKLON | 35n / 25e  | se | 2   |
| Irkutsk           | IRKUTSK | 52n / 104e | se | 8   |
| Istanbul          | ISTNBUL | 41n / 29e  | se | 2   |
| Itabuna           | ITABUNA | 15s / 39w  | no | -3  |
| Izmir             | IZMIR   | 38n / 27e  | se | 2   |
| Jackson           | JACKSON | 32n / 90w  | sa | -6  |
| Jakarta           | JAKARTA | 7s / 107e  | no | 7   |
| Jacksonville      | JAKSNVL | 30n / 82w  | sa | -5  |
| Jerusalem         | JERUSLM | 32n / 35e  | ss | 2   |
| Jinan             | JINAN   | 37n / 117e | no | 8   |
| Joao Pessoa       | JOAPESS | 7s / 35w   | no | -3  |
| Johannesburg      | JOHANBR | 26s / 28e  | no | 2   |
| Juazeiro do Norte | JUAZEIR | 7s / 39w   | no | -3  |
| Kabul             | KABUL   | 34n / 69e  | no | 4.3 |
| Kampala           | KAMPALA | 0 / 32e    | no | 3   |
| Kano              | KANO    | 12n / 8e   | no | 1   |
| Kanpur            | KANPUR  | 27n / 80e  | no | 5.3 |
| Kansas City       | KANSASC | 39n / 94w  | sa | -6  |
| Karachi           | KARACHI | 25n / 67e  | no | 5   |
| Kassala           | KASSALA | 15n / 36e  | no | 2   |
| Kassel            | KASSEL  | 51n / 9e   | se | 1   |
| Kathmandu         | KATMNDU | 28n / 85e  | no | 5.5 |
| Kazan             | KAZAN   | 56n / 49e  | se | 3   |
| Key West          | KEYWEST | 24n / 81w  | sa | -5  |
| Khartoum          | KHARTUM | 16n / 33e  | no | 2   |
| Kiev              | KIEV    | 51n / 30e  | se | 2   |
| Kikwit            | KIKWIT  | 5s / 18e   | no | 1   |
| Kingston          | KINGSTN | 18n / 77w  | no | -5  |
| Kinshasa          | KINSHAS | 5s / 15e   | no | 1   |
| Kisangani         | KISANGA | 1n / 25e   | no | 2   |
| Knoxville         | KNOXVIL | 36n / 84w  | sa | -5  |
| Koh Samui         | KOHSAMU | 9n / 100e  | no | 7   |
| Koln              | KOLN    | 51n / 7e   | se | 1   |
| Kota              | KOTA    | 25n / 76e  | no | 5.3 |
| Krakow            | KRAKOW  | 50n / 20e  | se | 1   |
| Kuala Lumpur      | KUALUMP | 3n / 102e  | no | 8   |
| Kumasi            | KUMASI  | 7n / 2w    | no | 0   |
| Kunming           | KUNMING | 25n / 103e | no | 8   |
| Kupang            | KUPANG  | 10s / 124e | no | 8   |
| Kuwait            | KUWAIT  | 29n / 48e  | no | 3   |
| La Paz            | LA PAZ  | 17s / 68w  | no | -4  |
| Lagos             | LAGOS   | 7n / 4e    | no | 1   |

|               |         |            |    |     |
|---------------|---------|------------|----|-----|
| Lake Powell   | LAKPOWL | 37n / 111w | sa | -7  |
| Lake Tahoe    | LAKTAHO | 39n / 120w | sa | -8  |
| Lanzhou       | LANZHOU | 36n / 104e | no | 8   |
| Laredo        | LAREDO  | 27n / 99w  | sa | -6  |
| Las Palmas    | LASPALM | 28n / 15w  | no | 0   |
| Las Vegas     | LASVEGS | 36n / 115w | sa | -8  |
| LAT/LON       | LAT/LON |            |    |     |
| Leipzig       | LEIPZIG | 51n / 12e  | se | 1   |
| Leningrad     | LENIGRD | 60n / 30e  | se | 3   |
| Lexington     | LEXINGT | 38n / 85w  | sa | -5  |
| Lhasa         | LHASA   | 30n / 91e  | no | 8   |
| Libreville    | LIBREVL | 0 / 10e    | no | 1   |
| Lillehammer   | LILLHAM | 61n / 10e  | se | 1   |
| Lima          | LIMA    | 12s / 77w  | no | -5  |
| Limoges       | LIMOGS  | 46n / 1e   | se | 1   |
| Lincoln       | LINCOLN | 41n / 97w  | sa | -6  |
| Lisbon        | LISBON  | 39n / 9w   | se | 0   |
| Little Rock   | LITLROC | 35n / 92w  | sa | -6  |
| Liuzhou       | LIUZHOU | 24n / 109e | no | 8   |
| London        | LONDON  | 52n / 0    | se | 0   |
| Los Angeles   | LOSANGL | 34n / 118w | sa | -8  |
| Louisville    | LOUISVL | 38n / 86w  | sa | -5  |
| Luanda        | LUANDA  | 9s / 13e   | no | 1   |
| Lubumbashi    | LUBUMBS | 12s / 27e  | no | 2   |
| Lulea         | LULEA   | 66n / 22e  | se | 1   |
| Loungprabang  | LUNGPRB | 20n / 102e | no | 7   |
| Lusaka        | LUSAKA  | 15s / 28e  | no | 2   |
| Luxembourg    | LUXMBRG | 50n / 6e   | se | 1   |
| Lyon          | LYON    | 46n / 5e   | se | 1   |
| Maceio        | MACEIO  | 9s / 36w   | no | -3  |
| Macchu Picchu | MACHUPI | 13s / 73w  | no | -5  |
| Madagascar    | MADGSCR | 19s / 47e  | no | 3   |
| Madison       | MADISON | 43n / 89w  | sa | -6  |
| Madras        | MADRAS  | 13n / 80e  | no | 5.3 |
| Madrid        | MADRID  | 40n / 4w   | se | 1   |
| Madurai       | MADURAI | 10n / 78e  | no | 5.3 |
| Malatya       | MALATYA | 38n / 38e  | se | 2   |
| Managua       | MANAGUA | 12n / 86w  | no | -6  |
| Manaus        | MANAUS  | 3s / 60w   | no | -4  |
| Manchester    | MANCHES | 53n / 2w   | se | 0   |
| Mandalay      | MANDLAY | 22n / 96e  | no | 6.3 |
| Manila        | MANILA  | 14n / 121e | no | 8   |
| Maputo        | MAPUTO  | 26s / 32e  | no | 2   |
| Maracaibo     | MARACAB | 11n / 72w  | no | -4  |
| Mar del Plata | MARPLAT | 38s / 58w  | no | -3  |
| Marseilles    | MARSEIL | 44n / 5e   | se | 1   |



|                  |         |             |    |     |
|------------------|---------|-------------|----|-----|
| Marshall Islands | MARSHAL | 9n / 168e   | no | 12  |
| Mashhad          | MASHHAD | 36n / 60e   | se | 3.3 |
| Mauritius        | MAURTUS | 20s / 57e   | no | 4   |
| Mazatlan         | MAZATLA | 23n / 106w  | sa | -7  |
| Mbandaka         | MBANDK  | 0 / 18e     | no | 1   |
| Mecca            | MECCA   | 22n / 40e   | no | 3   |
| Medellin         | MEDELIN | 6n / 76w    | no | -5  |
| Medford          | MEDFORD | 42n / 123 w | sa | -8  |
| Medina           | MEDINA  | 24n / 40e   | no | 3   |
| Melbourne        | MELBORN | 38s / 145e  | sd | 10  |
| Memphis          | MEMPHIS | 35n / 90w   | sa | -6  |
| Meridad          | MERIDA  | 21n / 90w   | sa | -6  |
| Mexicali         | MEXICAL | 32n / 115w  | sa | -8  |
| Mexico City      | MEXICOC | 19n / 99w   | sa | -6  |
| Miami            | MIAMI   | 26n / 80w   | sa | -5  |
| Micronesia       | MICRNSA | 7n / 153e   | no | 10  |
| Milano           | MILANO  | 45n / 9e    | se | 1   |
| Milwaukee        | MILWAUK | 43n / 88w   | sa | -6  |
| Minsk            | MINSK   | 54n / 27e   | se | 2   |
| Mogadishu        | MOGADIS | 2n / 45e    | no | 3   |
| Mombasa          | MOMBASA | 4s / 40e    | no | 3   |
| Moncton          | MONCTON | 46n / 65w   | sa | -4  |
| Monrovia         | MONROVI | 7n / 11w    | no | 0   |
| Monterrey, MEX   | MONTERY | 26n / 100w  | sa | -6  |
| Montgomery, AL   | MONTGRY | 32n / 86w   | sa | -6  |
| Montpellier      | MONTPLR | 44n / 4e    | se | 1   |
| Montreal         | MONTRAL | 46n / 74w   | sa | -5  |
| Montevideo       | MONTVID | 35s / 56w   | no | -3  |
| Port Moresby     | MORESBY | 9s / 148e   | no | 10  |
| Moscow           | MOSCOW  | 56n / 37e   | se | 3   |
| Montes Claros    | MTCLARO | 17s / 44w   | sb | -3  |
| Mulege           | MULEGE  | 27n / 112w  | sa | -7  |
| Multan           | MULTAN  | 30n / 72e   | no | 5   |
| Munich           | MUNICH  | 48e / 12e   | se | 1   |
| Murmansk         | MURMNSK | 69n / 33e   | se | 3   |
| Muscat           | MUSCAT  | 23n / 58e   | no | 4   |
| Mykonos          | MYKONOS | 37n / 26e   | se | 2   |
| N'Djamena        | N DJAME | 12n / 15e   | no | 1   |
| Nagpur           | NAGPUR  | 22n / 79e   | no | 5.3 |
| Nairobi          | NAIROBI | 1s / 37e    | no | 3   |
| Nampula          | NAMPULA | 15s / 39e   | no | 2   |
| Nanchang         | NANCHAN | 28n / 116e  | no | 8   |
| Nanjing          | NANJING | 32n / 118e  | no | 8   |
| Nanning          | NANNING | 23n / 108e  | no | 8   |
| Nantes           | NANTES  | 47n / 2w    | se | 1   |
| Napoli           | NAPOLI  | 41n / 14e   | se | 1   |

|               |         |            |    |     |
|---------------|---------|------------|----|-----|
| Nashville     | NASHVIL | 36n / 87w  | sa | -6  |
| Nassau        | NASSAU  | 25n / 77w  | sa | -5  |
| Natal         | NATAL   | 6s / 35w   | no | -3  |
| Newcastle     | NEWCAST | 55n / 2w   | se | 0   |
| New Dehli     | NEWDEHL | 29n / 77e  | no | 5.3 |
| Newfoundland  | NEWFUNL | 48n / 55w  | sa | 3.3 |
| New Orleans   | NEWORLN | 30n / 90w  | sa | -6  |
| New York      | NEWYORK | 41n / 74w  | sa | -5  |
| New Guinea    | NGUINEA | 5s / 140e  | no | 10  |
| Niamey        | NIAMEY  | 13n / 2e   | no | 1   |
| Nice          | NICE    | 44n / 7e   | se | 1   |
| Nicosia       | NICOSIA | 35n / 33e  | se | 2   |
| Nome          | NOME    | 64n / 166w | sa | -9  |
| Norfolk       | NORFOLK | 37n / 76w  | sa | -5  |
| Novosibirsk   | NOVSIBR | 55n / 83e  | se | 6   |
| Nurnberg      | NURNBRG | 49n / 11e  | se | 1   |
| OBX           | OBX     | 36n / 76w  | sa | -5  |
| Odesa         | ODESA   | 47n / 31e  | se | 2   |
| Odessa        | ODESSA  | 32n / 102w | sa | -6  |
| Okinawa       | OKINAWA | 27n / 128e | no | 9   |
| Oklahoma City | OKLA CT | 36n / 98w  | sa | -6  |
| Omaha         | OMAHA   | 41n / 96w  | sa | -6  |
| Omsk          | OMSK    | 55n / 74e  | se | 6   |
| Orlando       | ORLANDO | 28n / 82w  | sa | -5  |
| Osaka         | OSAKA   | 35n / 136e | no | 9   |
| Oslo          | OSLO    | 60n / 11e  | se | 1   |
| Ottawa        | OTTAWA  | 45n / 76w  | sa | -5  |
| Ouagadougou   | OUAGADO | 13n / 2w   | no | 0   |
| Padang        | PADANG  | 1s / 101e  | no | 7   |
| Palenque      | PALENQE | 17n / 92w  | sa | -6  |
| Palermo       | PALERMO | 38n / 13e  | se | 1   |
| Palm Springs  | PALMSPR | 34n / 116w | sa | -8  |
| Panama        | PANAMA  | 9n / 79w   | no | -5  |
| Paramaribo    | PARAMAR | 6n / 55w   | no | -3  |
| Paris         | PARIS   | 49n / 2e   | se | 1   |
| Pelotas       | PELOTAS | 32s / 52w  | sb | -3  |
| Pensacola     | PENSACL | 31n / 87w  | sa | -6  |
| Perm          | PERM    | 58n / 57e  | se | 5   |
| Perth         | PERTH   | 32s / 116e | no | 8   |
| Philadelphia  | PHILADF | 40n / 75w  | sa | -5  |
| Phoenix       | PHOENIX | 33n / 112w | no | -7  |
| Phuket        | PHUKET  | 8n / 98e   | no | 7   |
| Pittsburgh    | PITSBRG | 40n / 80w  | sa | -5  |
| Phnom Pehn    | PNOMPEN | 12n / 105e | no | 7   |
| Poona         | POONA   | 18n / 74e  | no | 5.3 |
| Portland      | PORTLND | 46n / 123w | sa | -8  |

|                      |         |            |    |     |
|----------------------|---------|------------|----|-----|
| Porto                | PORTO   | 41n / 8w   | se | 0   |
| Potosi               | POTOSI  | 22n / 101w | sa | -6  |
| Poznan               | POZNAN  | 52n / 17e  | se | 1   |
| Prague               | PRAGUE  | 50n / 14e  | se | 1   |
| Prince George        | PRNCGEO | 54n / 123w | sa | -8  |
| Port Blair           | PRTBLAR | 12n / 93e  | no | 5.3 |
| Port Elizabeth       | PRTELIZ | 33s / 26e  | no | 2   |
| Port-au-Prince       | PRTPRNC | 18n / 72w  | no | -5  |
| Puerto Montt         | PTOMONT | 42s / 73w  | sc | -4  |
| Punta Arenas         | PUNAREN | 53s / 71w  | sc | -4  |
| Pyongyang            | PYONYNG | 39n / 126e | no | 9   |
| Quebec               | QUEBEC  | 47n / 71w  | sa | -5  |
| Quito                | QUITO   | 0 / 78w    | no | -5  |
| Raipur               | RAIPUR  | 22n / 82e  | no | 5.3 |
| Raleigh              | RALEIGH | 36n / 79w  | sa | -5  |
| Rangoon              | RANGOON | 17n / 96e  | no | 6.3 |
| Rapid City           | RAPID C | 44n / 103w | sa | -7  |
| Rawalpindi           | RAWLPND | 33n / 73e  | no | 5   |
| Rockhampton          | RCKHMPT | 23s / 150e | no | 10  |
| Regina               | REGINA  | 50n / 105w | no | -6  |
| Rennes               | RENNES  | 48n / 2w   | se | 1   |
| Reno                 | RENO    | 40n / 120w | sa | -8  |
| Reykjavik            | REYKJAV | 64n / 22w  | no | 0   |
| Rhodes               | RHODES  | 36n / 28e  | se | 2   |
| Richmond,VA          | RICHMND | 38n / 77w  | sa | -5  |
| Riga                 | RIGA    | 57n / 24e  | se | 2   |
| Rio Branco           | RIOBRNC | 10s / 68w  | no | -5  |
| Rio De Janeiro       | RIODJAN | 22s / 43w  | sb | -3  |
| Riydah               | RIYDAH  | 25n / 47e  | no | 3   |
| Roanoke              | ROANOKE | 37n / 80w  | sa | -5  |
| Rochester            | ROCHSTR | 43n / 77w  | sa | -5  |
| Rome                 | ROME    | 42n / 13e  | se | 1   |
| Rosario              | ROSARIO | 33s / 61w  | no | -3  |
| Roseau               | ROSEAU  | 15n / 61w  | no | -4  |
| Sacramento           | SACRMTO | 39n / 122w | sa | -8  |
| Salt Lake City       | SALTLC  | 41n / 112w | sa | -7  |
| Salvador             | SALVADR | 13s / 39w  | no | -3  |
| Samoa                | SAMOA   | 13s / 171w | no | -11 |
| San Antonio          | SANANTO | 29n / 98w  | sa | -6  |
| San Diego            | SANDIEG | 33n / 117w | sa | -8  |
| San Fransisco        | SANFRAN | 38n / 122w | sa | -8  |
| San Jose, CA         | SANJOSE | 37n / 122w | sa | -8  |
| San Jose, Costa Rica | SANJSCR | 10n / 84w  | no | -6  |
| San Juan             | SANJUAN | 18n / 66w  | no | -4  |
| San Pedro, MEX       | SANPEDR | 15n / 88w  | no | -6  |
| Santa Fe             | SANTAFE | 36n / 106w | sa | -7  |

|                       |          |            |    |     |
|-----------------------|----------|------------|----|-----|
| Santana               | SANTANA  | 31s / 56w  | sb | -3  |
| Santarem              | SANTARM  | 2s / 55w   | no | -4  |
| Santiago              | SANTIAG  | 33s / 71w  | sc | -4  |
| Sao Luis              | SAOLUIS  | 3s / 44w   | no | -3  |
| Sao Paulo             | SAOPAUL  | 23s / 46w  | sb | -3  |
| Sapporo               | SAPPORO  | 43n / 141e | no | 9   |
| Sarajevo              | SARAJEV  | 44n / 18e  | se | 1   |
| Saskatoon             | SASKATN  | 52n / 107  | no | -6  |
| Savannah              | SAVANAH  | 32n / 81w  | sa | -5  |
| Seattle               | SEATTLE  | 47n / 122w | sa | -8  |
| Seoul                 | SEOUL    | 38n / 127e | no | 9   |
| Seychelles            | SEYCHLS  | 5s / 55e   | no | 4   |
| Shanghai              | SHANGHI  | 31n / 121e | no | 8   |
| Shenyang              | SHENYNG  | 42n / 123e | no | 8   |
| Shiraz                | SHIRAZ   | 30n / 53e  | sq | 3.3 |
| Shreveport            | SHRVPRT  | 32n / 94w  | sa | -6  |
| Singapore             | SINGPOR  | 2n / 103e  | no | 8   |
| Sioux Falls           | SIOUX F  | 43n / 97w  | sa | -6  |
| Skopje                | SKOPJE   | 42n / 21e  | se | 1   |
| Smolensk              | SMOLNSK  | 55n / 32e  | se | 3   |
| San Salvador          | SNSALVD  | 14n / 89w  | no | -6  |
| Santa Barbara         | SNTABAR  | 35n / 120w | sa | -8  |
| Santo Domingo         | SNTDOMG  | 19n / 70w  | no | -4  |
| Sofia                 | SOFIA    | 43n / 23e  | se | 2   |
| Spokane               | SPOKANE  | 48n / 117w | sa | -8  |
| Springfield, MI       | SPRNGFI  | 37n / 93w  | sa | -6  |
| Sri Lanka             | SRILANK  | 7n / 80e   | no | 6   |
| St.Paul / Minneapolis | ST PAUL  | 45n / 93w  | sa | -6  |
| Stavanger             | STAVNGR  | 59n / 6e   | se | 1   |
| Santa Cruz, BOL       | STCRUZB  | 18s / 63w  | no | -4  |
| St. Louis             | STLOUIS  | 39n / 90w  | sa | -6  |
| Sault Ste.Marie       | STMARIE  | 47n / 84w  | sa | -5  |
| St.Marteen            | STMARTIN | 18n / 63w  | no | -4  |
| Stockholm             | STOKHLM  | 59n / 18e  | se | 1   |
| Strasbourg            | STRASBR  | 48n / 8e   | se | 1   |
| Stuttgart             | STUTGRT  | 49n / 9e   | se | 1   |
| Sundsvall             | SUNDSVL  | 63n / 17e  | se | 1   |
| Surabaya              | SURABYA  | 8s / 112e  | no | 7   |
| Sydney                | SYDNEY   | 34s / 151e | sd | 10  |
| Tabriz                | TABRIZ   | 38n / 47e  | sq | 3.3 |
| Tabuk                 | TABUK    | 28n / 37e  | no | 3   |
| Tahiti                | TAHITI   | 18s / 150w | no | -10 |
| Taipei                | TAIPEI   | 25n / 122e | no | 8   |
| Tallahasse            | TALAHAS  | 31n / 84w  | sa | -5  |
| Tampa/St.Petersburg   | TAMPASP  | 28n / 82w  | sa | -5  |
| Tampico               | TAMPICO  | 22n / 98w  | sa | -6  |

|                      |         |            |     |     |
|----------------------|---------|------------|-----|-----|
| Tangier              | TANGIER | 36n / 5w   | no  | 0   |
| Taskent              | TASKENT | 42n / 69e  | no  | 6   |
| Tbilisi              | TBILISI | 42n / 45e  | se  | 3   |
| Tehran               | TEHRAN  | 36n / 52e  | sq  | 3.3 |
| Teresina             | TERESIN | 5s / 43w   | no  | -3  |
| Thessaloniki         | TESLNKI | 41n / 23e  | se  | 2   |
| Thunder Bay          | THUNDRB | 48n / 89w  | sa  | -5  |
| Tokyo                | TOKYO   | 36n / 140e | no  | 9   |
| Toledo               | TOLEDO  | 42n / 84w  | sa  | -5  |
| Tonga                | TONGA   | 31s / 175w | no  | 13  |
| Toronto              | TORONTO | 44n / 79w  | sa  | -5  |
| Toulouse             | TOULOUS | 44n / 1e   | se  | 1   |
| Tours                | TOURS   | 47n / 0    | se  | 1   |
| TravisAFB            | TRAVIS  | 38n / 122w | sa  | -8  |
| Trinidad             | TRINIDA | 11n / 62w  | no  | -4  |
| Tripoli              | TRIPOLI | 32n / 13e  | no  | 1   |
| Tromso               | TROMSO  | 69n / 19e  | se  | 1   |
| Trondheim            | TRONDHM | 63n / 10e  | se  | 1   |
| Trujillo             | TRUJILO | 8s / 79w   | no  | -5  |
| Tsingtao             | TSNGTAO | 36n / 120e | no  | 8   |
| Tucson               | TUCSON  | 32n / 111w | no  | -7  |
| Tucuman              | TUCUMAN | 27s / 65w  | no  | -3  |
| Tulsa                | TULSA   | 36n / 96w  | sa  | -6  |
| Tunis                | TUNIS   | 37n / 10e  | no  | 1   |
| Turku                | TURKU   | 61n / 23e  | se  | 2   |
| Tuscaloosa           | TUSCLOS | 33n / 88w  | sa  | -6  |
| Uberlandia           | UBERLAN | 18s / 48w  | sb  | -3  |
| Ujungpadang          | UJUNGPD | 5s / 120e  | no  | 8   |
| Ulaanbaatar          | ULANBTR | 48n / 107e | NEW | 8   |
| Valletta, Malta      | VALLETA | 36n / 14e  | EU  | 1   |
| Vancouver            | VANCUVR | 49n / 123w | sa  | -8  |
| Venezia              | VENEZIA | 46n / 12e  | se  | 1   |
| Veracruz             | VERACRZ | 19n / 96w  | sa  | -6  |
| Victoria, Seychelles | VICTORI | 4s / 55e   | NO  | 4   |
| Vienna               | VIENNA  | 48n / 16e  | se  | 1   |
| Vientiane, Laos      | VIENTIA | 18n / 102e | NO  | 7   |
| Vila, VANUATU        | VILA    | 18s / 168e | no  | 11  |
| Vilnius              | VILNIUS | 55n / 25e  | no  | 2   |
| Vishakhapatnam       | VISHAPT | 18n / 83e  | no  | 5.3 |
| Vitoria              | VITORIA | 20s / 41w  | sb  | -3  |
| Vladivostok          | VLADVST | 43n / 132e | no  | 10  |
| Volgograd            | VOLGRAD | 48n / 44e  | se  | 3   |
| Warsaw               | WARSAW  | 52n / 21e  | se  | 1   |
| Washington DC        | WASHNGT | 39n / 77w  | sa  | -5  |
| Wellington           | WELINGT | 41s / 175e | sz  | 12  |
| Wenzhou              | WENZHOU | 28n / 121e | no  | 8   |

|                 |         |            |    |     |
|-----------------|---------|------------|----|-----|
| Wichita         | WICHITA | 38n / 97w  | sa | -6  |
| Wichita Falls   | WICHTFL | 34n / 98w  | sa | -6  |
| Williston       | WILISTN | 48n / 104w | sa | -6  |
| Wilmington      | WILMNGT | 34n / 78w  | sa | -5  |
| Willemstad      | WILMSTD | 12n / 69w  | no | -4  |
| Windhoek        | WINDHOK | 23s / 17e  | sn | 2   |
| Winnipeg        | WINIPEG | 50n / 97w  | sa | -6  |
| Winston-Salem   | WNSTSAL | 36n / 80w  | sa | -5  |
| West Palm Beach | WPLMBCH | 27n / 80w  | sa | -5  |
| Wuhan           | WUHAN   | 31n / 114e | no | 8   |
| Xiamen          | XIAMEN  | 24n / 118e | no | 8   |
| Xian            | XIAN    | 34n / 108e | no | 8   |
| Yanbu           | YANBU   | 24n / 38e  | no | 3   |
| Yaounde         | YAOUNDE | 4n / 12e   | no | 1   |
| Yellowstone     | YELOSTO | 44n / 110w | sa | -7  |
| Youngstown      | YNGSTWN | 41n / 81w  | sa | -5  |
| Yosemite        | YOSEMIT | 38n / 120w | sa | -8  |
| Zagreb          | ZAGREB  | 46n / 16e  | se | 1   |
| Zahedan         | ZAHEDAN | 29n / 61e  | sq | 3.3 |
| Zaragoza        | ZARAGOZ | 42n / 1w   | se | 1   |
| Zhengzhou       | ZHENGZU | 35n / 114e | no | 8   |
| ZULU            | ZULU    | 0 / 0      | no | 0   |
| Zurich          | ZURICH  | 47n / 9e   | se | 1   |

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## Time Zone Map

The world is divided into 24 time zones. Time zone 0 goes through Greenwich, London, also called GMT or UTC and goes from:

+1 to +12 EAST  
-1 to -12 WEST

in 30 minute increments.

They meet at the date line which cuts through the Pacific Ocean.

Each time zone corresponds to 15 degrees, yet over land is governed by geographical boundaries.

When setting your HOME or AWAY location by LAT/LON please use the map to choose your time zone.



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## LIMITED WARRANTY

Wild Seed Inc. warrants all components of this product, except batteries and societal time changes beyond our control, to be free of defect in material and workmanship under normal use for a period of two years from date of purchase.

Wild Seed Inc. will, at its discretion, repair or replace the product at no charge for parts and labor.

The warranty does not apply to failures caused by misuse, fire, tampering or any consequential claims resulting from use and/or application.

Send warranted product with proof of date of purchase to the address listed on our web site under "Contact Us":

[www.yeswatch.com](http://www.yeswatch.com)

[info@yeswatch.com](mailto:info@yeswatch.com)

Please include your name, address and phone for return shipment.

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## Your Watch Information

Please retain a record of the following information:

- watch model
- serial number
- date purchased
- purchase location