

Tempus 1.0 User Manual

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May 29, 2015

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1 Introduction

Tempus is a free and open source utility for displaying the current time in various time systems for astronomical purposes. It is written for Linux systems in C++ using the `Qt` user interface toolkit for maximum compatibility in case someone wishes to port it.

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2 Usage

This section explains a little of the ways you can use Tempus to view the current time.

Tempus runs as an ordinary desktop application, using familiar menus, windows, and controls. It has one window, displaying the time in a scalable view as the central information in big type.

The location obviously affects the time, so Tempus needs to know your location to calculate sidereal times. You can set your location in the `Location` menu.

2.1 Formats and standards

The current time formats supported are:

Local Mean Time, 12 hour

Local Mean Time, 24 hour

Universal Time

Local Sidereal Time

Greenwich Sidereal Time

Tempus aims to adhere to the following scientific standards:

World Geodetic System (WGS84, EPSG:4326) - in the `locations.xml` file, for example

3 Building

If you wish to build Tempus from scratch, you need to first obtain the source code, which may either be bundled with the application or can be obtained from Github at <https://github.com/larsnaesbye/tempus> by forking:

```
git clone https://github.com/larsnaesbye/tempus.git
```

For this, you will need a `git` client to make pull requests, and `Qt` version 4 or later installed for compiling to work. In addition you may want to install `Qt Creator` to edit the base project.

4 Version History

This section is a TODO list for pre-release development. Afterwards, it'll be a version history.

4.1 pre-release

Time display, updating

- XML locations file

- Location setting affects time

- Chiming functionality

- Display time type in window title

- SVG icons

4.2 1.0

Release. This section becomes version history.

5 Links and references

Distro Astro - Linux for Astronomers <http://distroastro.org>

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```

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