



AHELP for CIAO 3.4

## localtime

Context: [slangrtl](#)

*Jump to:* [Description](#) [See Also](#)

### Synopsis

Break down a time in seconds to local timezone

### Syntax

```
Struct_Type localtime (Long_Type secs)
```

### Description

The localtime function takes a parameter secs representing the number of seconds since 00:00:00, January 1 1970 UTC and returns a structure containing information about secs in the local timezone. The structure contains the following Int\_Type fields:

tm\_sec The number of seconds after the minute, normally in the range 0 to 59, but can be up to 61 to allow for leap seconds.

tm\_min The number of minutes after the hour, in the range 0 to 59.

tm\_hour The number of hours past midnight, in the range 0 to 23.

tm\_mday The day of the month, in the range 1 to 31.

tm\_mon The number of months since January, in the range 0 to 11.

tm\_year The number of years since 1900.

tm\_wday The number of days since Sunday, in the range 0 to 6.

tm\_yday The number of days since January 1, in the range 0 to 365.

tm\_isdst A flag that indicates whether daylight saving time is in effect at the time described. The value is positive if daylight saving time is in effect, zero if it is not, and negative if the information is not available.

### See Also

*slangrtl*

[time](#), [ctime](#), [gmtime](#), [time](#), [toc](#)

The Chandra X-Ray Center (CXC) is operated for NASA by the Smithsonian Astrophysical Observatory.  
60 Garden Street, Cambridge, MA 02138 USA.  
Smithsonian Institution, Copyright © 1998–2006. All rights reserved.

URL:  
<http://cxc.harvard.edu/ciao3.4/localtime.tm.html>  
Last modified: December 2006