# Package 'suntimes'

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**Type** Package

**Title** Sunrise and sunset times

**Version** 0.1.0

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**Description** R API wrapper for sunrise-sunset.org.

**License** GPL (>= 3)

**URL** https://github.com/afsarchowdhury/suntimes

**BugReports** https://github.com/afsarchowdhury/suntimes/issues

**Encoding** UTF-8

**LazyData** true

**Imports** dplyr,
httr,
jsonlite,
lubridate

**RoxygenNote** 7.2.3

**Suggests** testthat (>= 3.0.0)

**Config/testthat/edition** 3

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`suntimes` *Get solar event times for single date.*

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### Description

Returns times for sunrise, sunset, and various other solar events for the chosen location, date, and timezone.

### Usage

```
suntimes(lat, lon, date = NULL, timezone = NULL)
```

### Arguments

| | |
|---|---|
| lat | latitude in decimal degrees. Required. |
| lon | longitude in decimal degrees. Required. |
| date | date as string in YYYY-MM-DD format. If not present, date defaults to current date. Optional. |
| timezone | a character string containing a timezone to convert to. R must recognise the name contained in the string as a time zone on your system. Use OlsonNames() for valid timezones. If not present, UTC is returned. Optional. |

### Examples

```
suntimes(50.065471, -5.714856)
suntimes(50.065471, -5.714856, "2023-08-31")
suntimes(50.065471, -5.714856, "2023-08-31", "Europe/London")
```

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## suntimes_multiple *Get solar event times for multiple dates.*

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### Description

Returns times for sunrise, sunset, and various other solar events for the chosen location, dates, and timezone.

### Usage

```
suntimes_multiple(lat, lon, dates = NULL, timezone = NULL)
```

### Arguments

| | |
|---|---|
| lat | latitude in decimal degrees. Required. |
| lon | longitude in decimal degrees. Required. |
| dates | dates as vector string in YYYY-MM-DD format. If not present, date defaults to current date. Optional. |
| timezone | a character string containing a timezone to convert to. R must recognise the name contained in the string as a time zone on your system. Use OlsonNames() for valid timezones. If not present, UTC is returned. Optional. |

### Examples

```
suntimes_multiple(50.065471, -5.714856, c("2023-08-31", "2023-09-01"))
suntimes_multiple(50.065471, -5.714856, c("2023-08-31", "2023-09-01"), "Europe/London")
```

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