Package 'ipsos.seal'

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Title IPSOS-SEAL data processing and analysis functions

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Depends R (>= 2.9.0), chron

Suggests

Description Contains various support functions for data processing of the IPSOS-SEAL project.

License GPL (>= 2)

URL http://www.r-project.org

R topics documented:

`getSunElevation` *Sun elevation computation at a given site*

Description

This function computes the sun elevation in degrees given decimal Julian day (since Jan 1st, 4713 BC, 12:00:00) and latitude, longitude

Usage

```
getSunElevation(jd, latd, lond)
```

Arguments

jd

latd

lond

Examples

```
library(ipsos.seal)

latd = 45.
lond = 0.
jd0 = datetime2julian(2000,1,1,12,0,0)
jdays =  seq(jd0,jd0+10,by=0.01)
N = length(jdays)
el = array(0,N)
i=1
for (j in jdays) {
    el[i] = getSunElevation(j,latd,lond)
    i=i+1
}
plot(jdays,el)
```

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