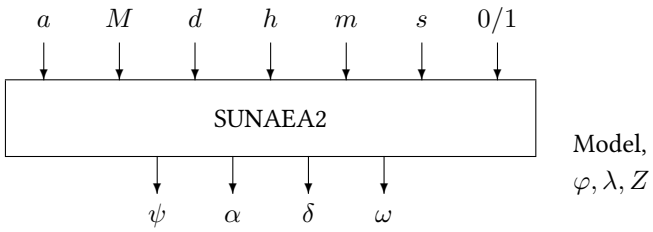
Block SUNAEA2

The SUNAEA2 block calculates the averaged position of the Sun in horizon and equator coordinates.

Internally, it simply calls SUNAEA which uses an old convention for timezone and longitude.





Name	SUNAEA2
Function	em0120
Inputs	7
Outputs	4
Parameters	4
Strings	0
Group	S

Inputs

1 Year a (for example 2021)
2 Month $M \in [1, 12]$
3 Day $d \in [1, 31]$
4 Hour $h \in [0, 23]$
5 Minute $m \in [0, 59]$
6 Second $s \in [0, 60)$
7 Daylight saving time (0 no, 1 yes)

Outputs

1 Azimuth ψ (north $= 0°$, east $= 90° \ldots$ west $= 270°$)
2 Elevation α
3 Declination δ
4 Hour angle