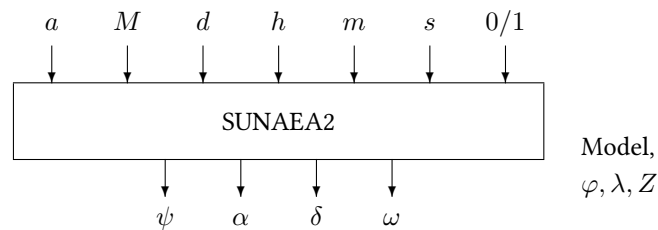


Block SUNAEA2

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° ... west = 270°)
- 2 Elevation α
- 3 Declination δ
- 4 Hour angle ω