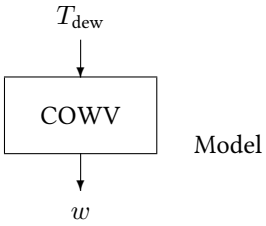
Block COWV

The COWV block calculates content of water vapour in the atmosphere as a function of the dewpoint temperature.





Model

Name	COWV
Function	em0035
Inputs	1
Outputs	1
Parameters	0 . . . [1]
Strings	0
Group	S

Inputs

1 Dewpoint temperature T_{dew} / ° C

Outputs

1 Content of water vapour w / cm

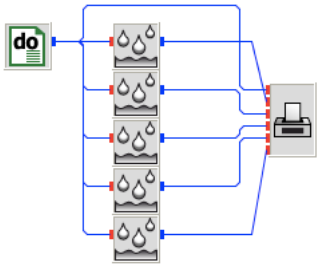
Parameters

1 Model
- 0 Bolsegna (Hourly means)
- 1 Wright et al. (Three-hour means)
- 2 Reitan (Monthly means)
- 3 Atwater et al. (Monthly means)
- 4 Smith (Annual means)

Strings

None

cowv.vseit



A DO block varies dewpoint temperature data from zero to a 30 degrees Celsius in steps of 0.1. The dewpoint temperature is connected to five COWV blocks with the five different model equations starting from Bolsegna (upper block) to Smith (lowest block).

The PLOT block shows the respective water vapor contents.

