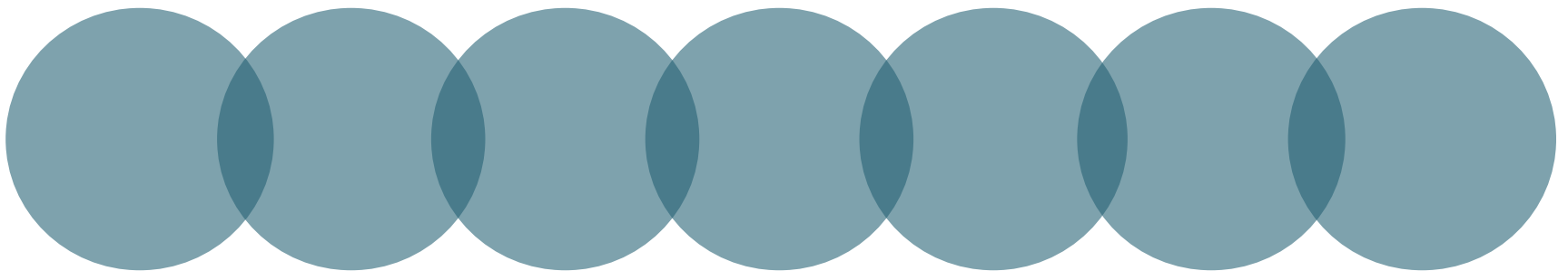


A promising  
MONITORING KIT

to evaluate

AIR AGGRESSIVENESS



# AIR AGGRESSIVENESS

DEPENDS ON



**Environmental parameters**



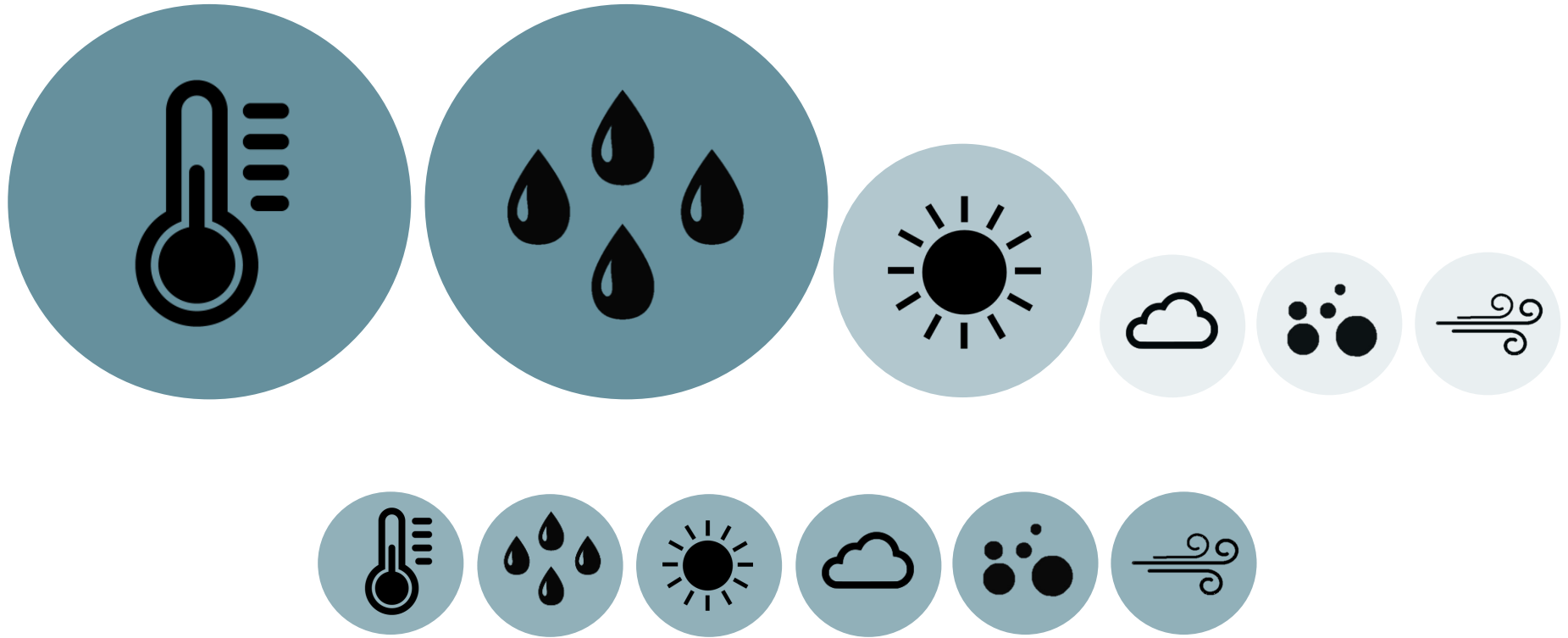
**Collection**

VARIABLES OVER



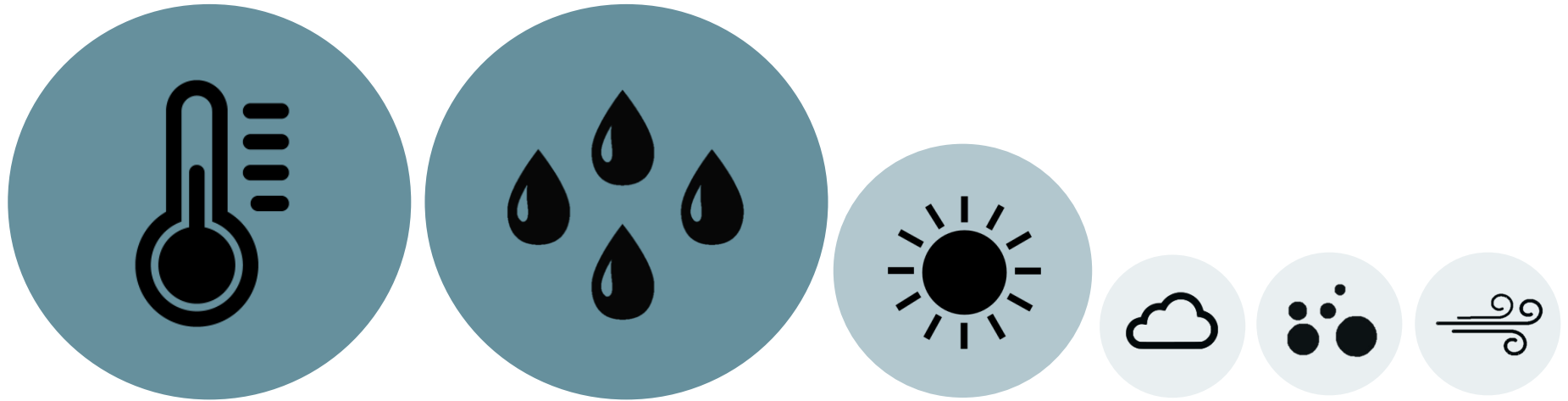
**Time**

# AIR AGGRESSIVENESS



**Environmental parameters**

# AIR AGGRESSIVENESS



Time →

# AIR AGGRESSIVENESS

data

data

data

data

data

data

data

data

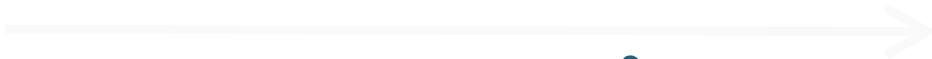
data

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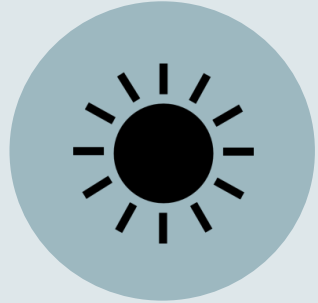
data

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Time





+

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# AIRCHECQ

# AIRCHECQ



Offer heritage caretakers a  
user-friendly tool to manage IAQ

Monitoring  
kit

Software

Workflow

# AIRCHECQ



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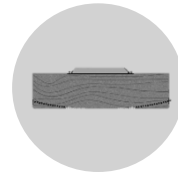
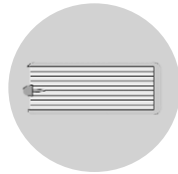
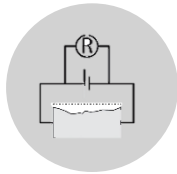
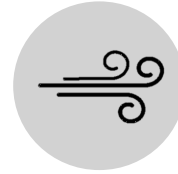
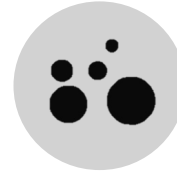
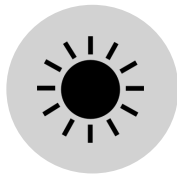
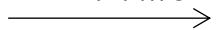
Workflow



# DASHBOARD

IAQ-index

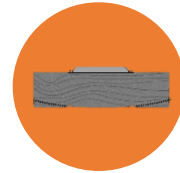
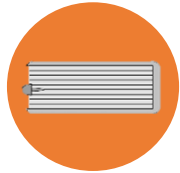
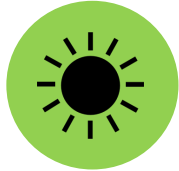
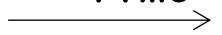
Time



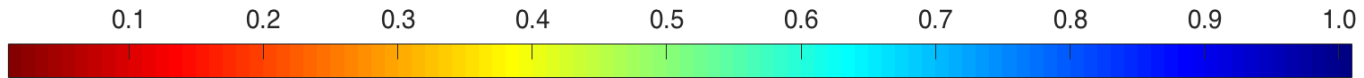
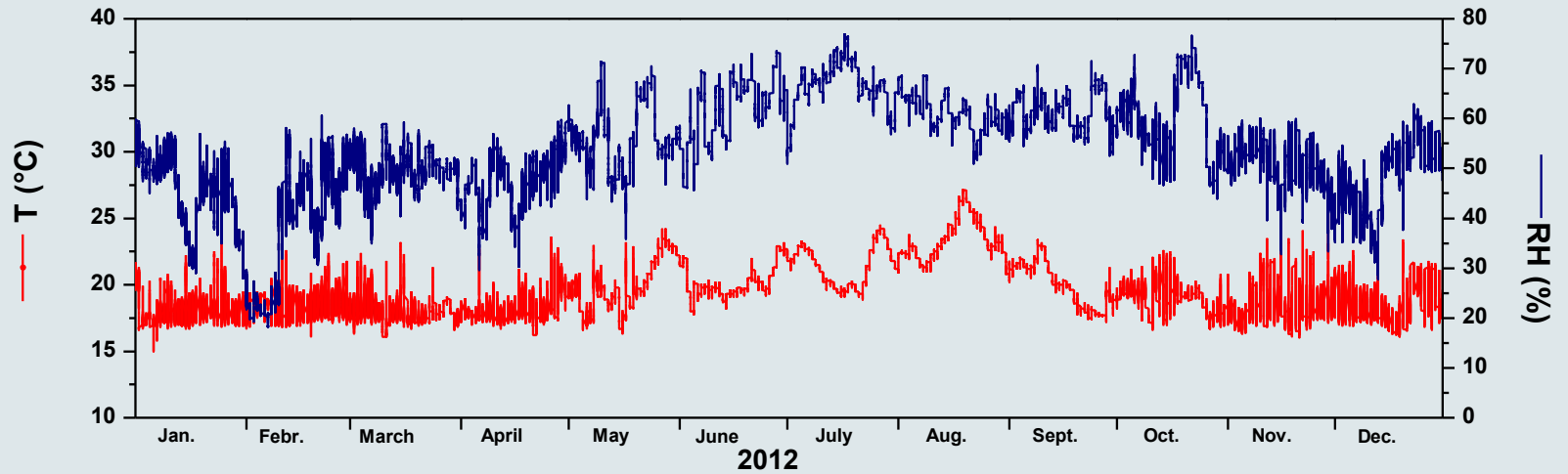
# DASHBOARD

IAQ-index

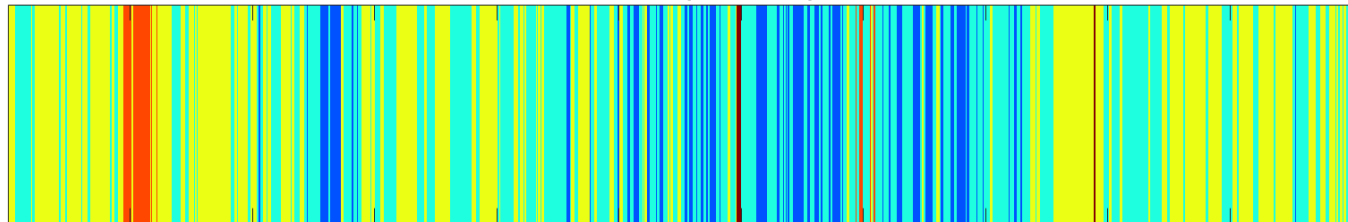
Time



# SOFTWARE



IAQ-index (ASHRAE)



Jan 2012 Feb 2012 Mar 2012 Apr 2012 May 2012 Jun 2012 Jul 2012 Aug 2012 Sep 2012 Oct 2012 Nov 2012 Dec 2012

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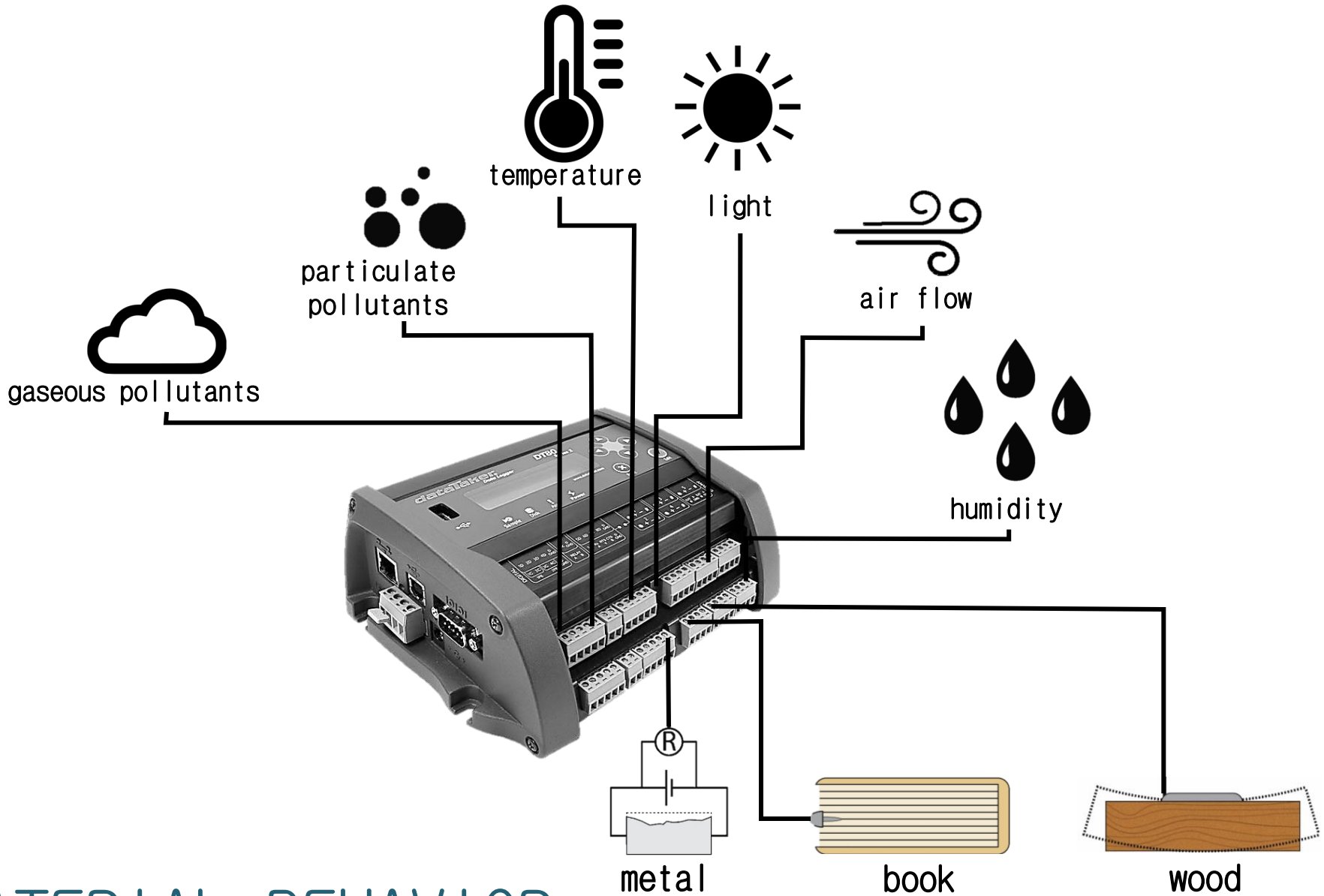
Software

Workflow

# DATALOGGER



# ENVIRONMENTAL PARAMETERS



# MATERIAL BEHAVIOR

# DATALOGGER with SENSORS

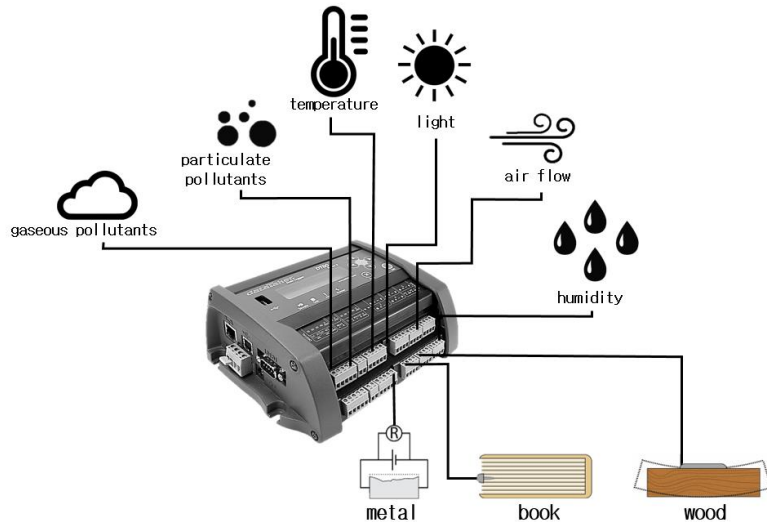
CONTINUOUS MEASUREMENTS



MODULAR



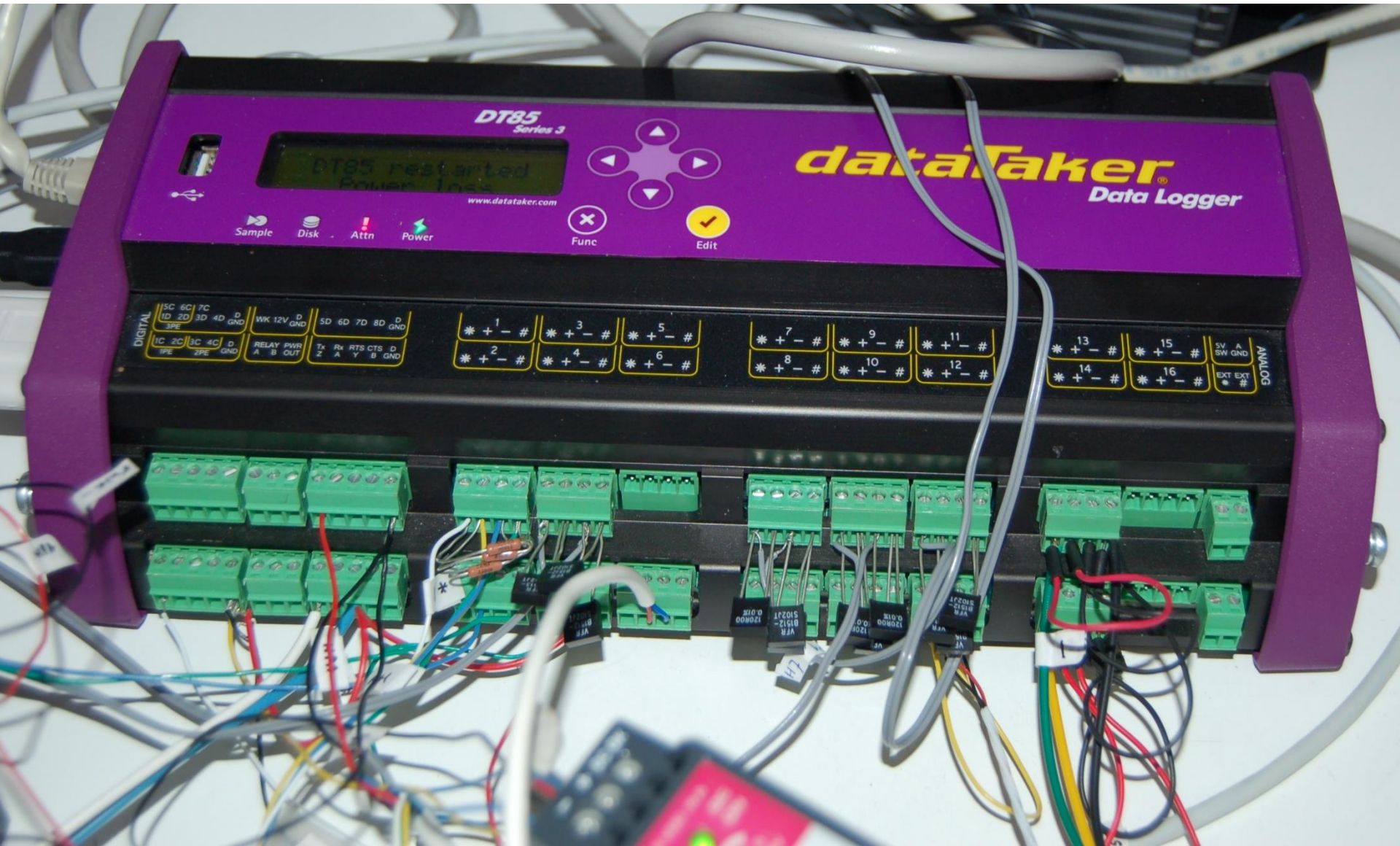
(TRANSPORTABLE)







Current                      Voltage                      Resistance





Temperature  
Glass surface temperature



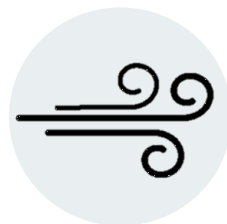
Relative humidity



Particulate matter



CO<sub>2</sub>



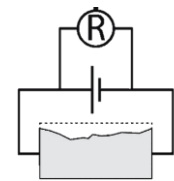
Wind speed



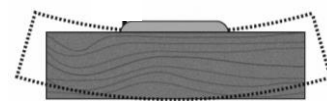
Barometric pressure



Motion



Silver corrosion

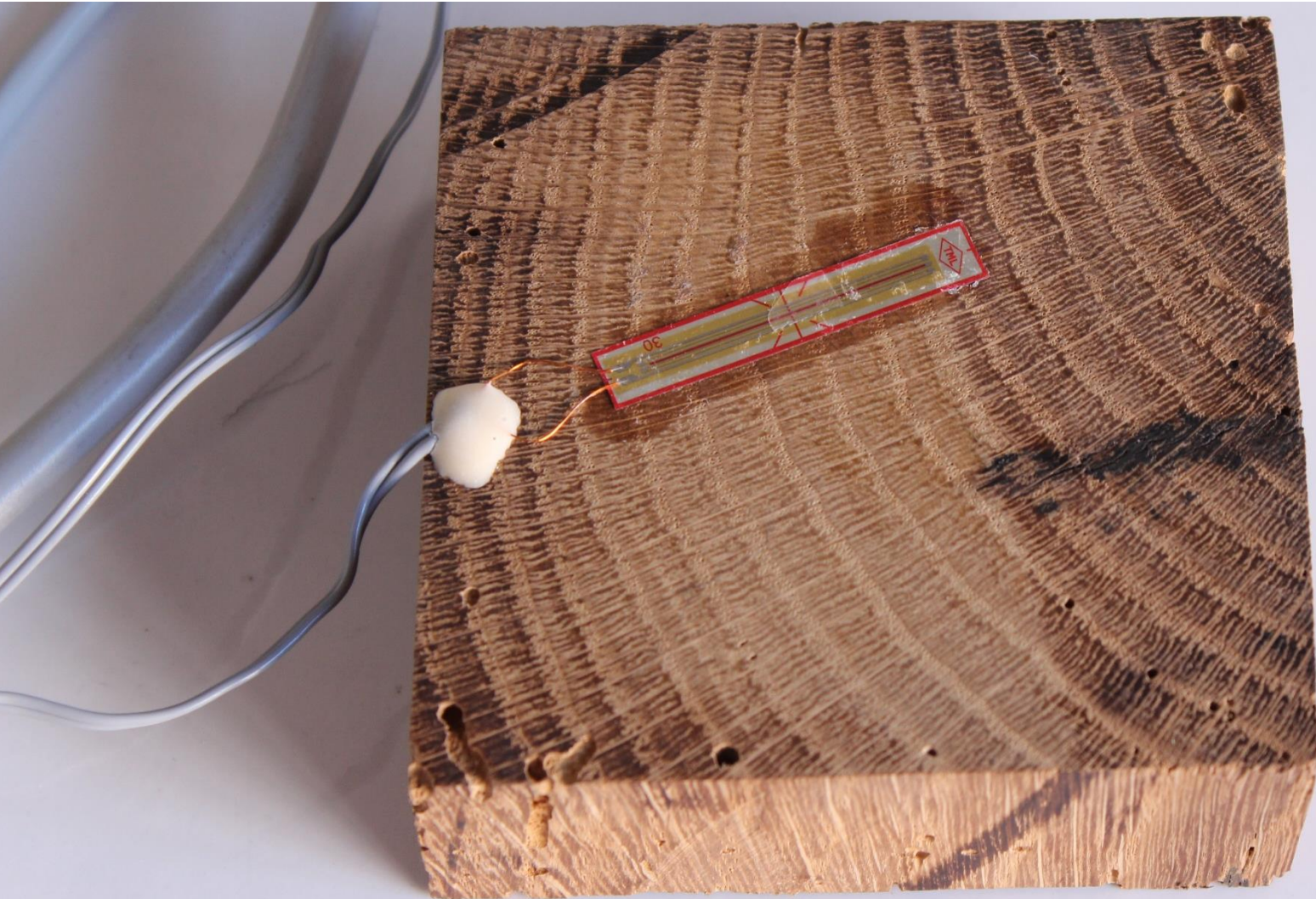


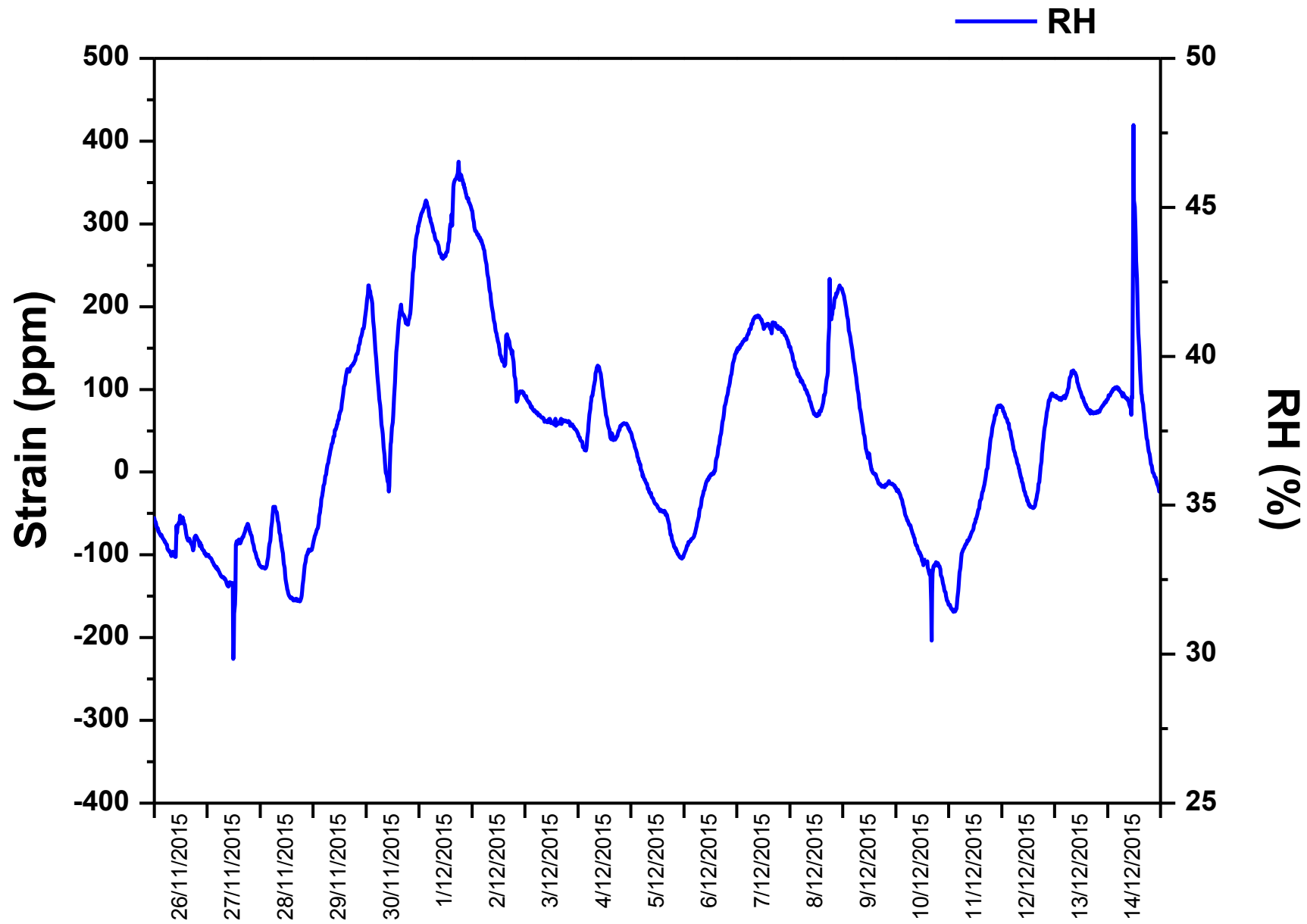
Wood behavior

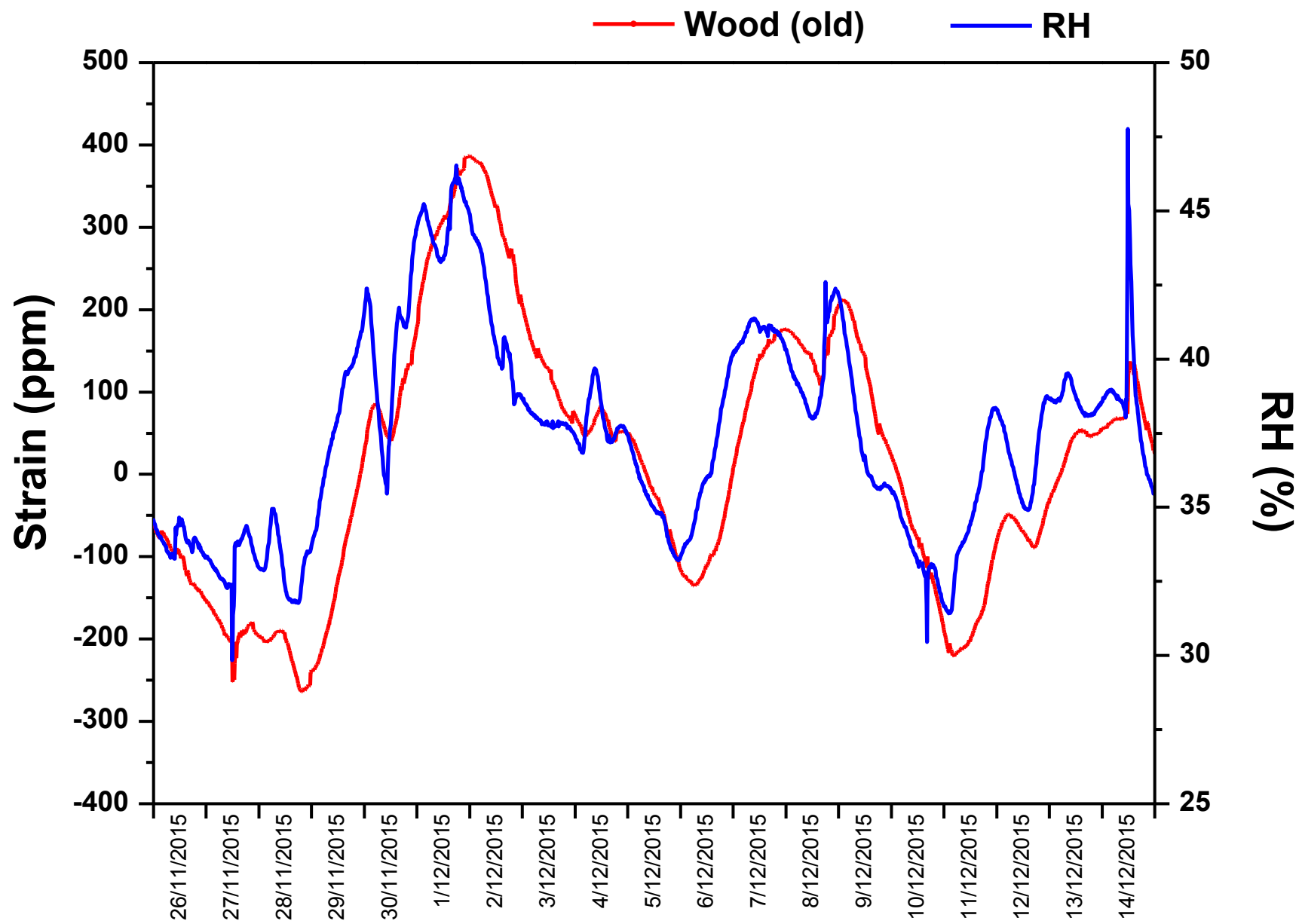


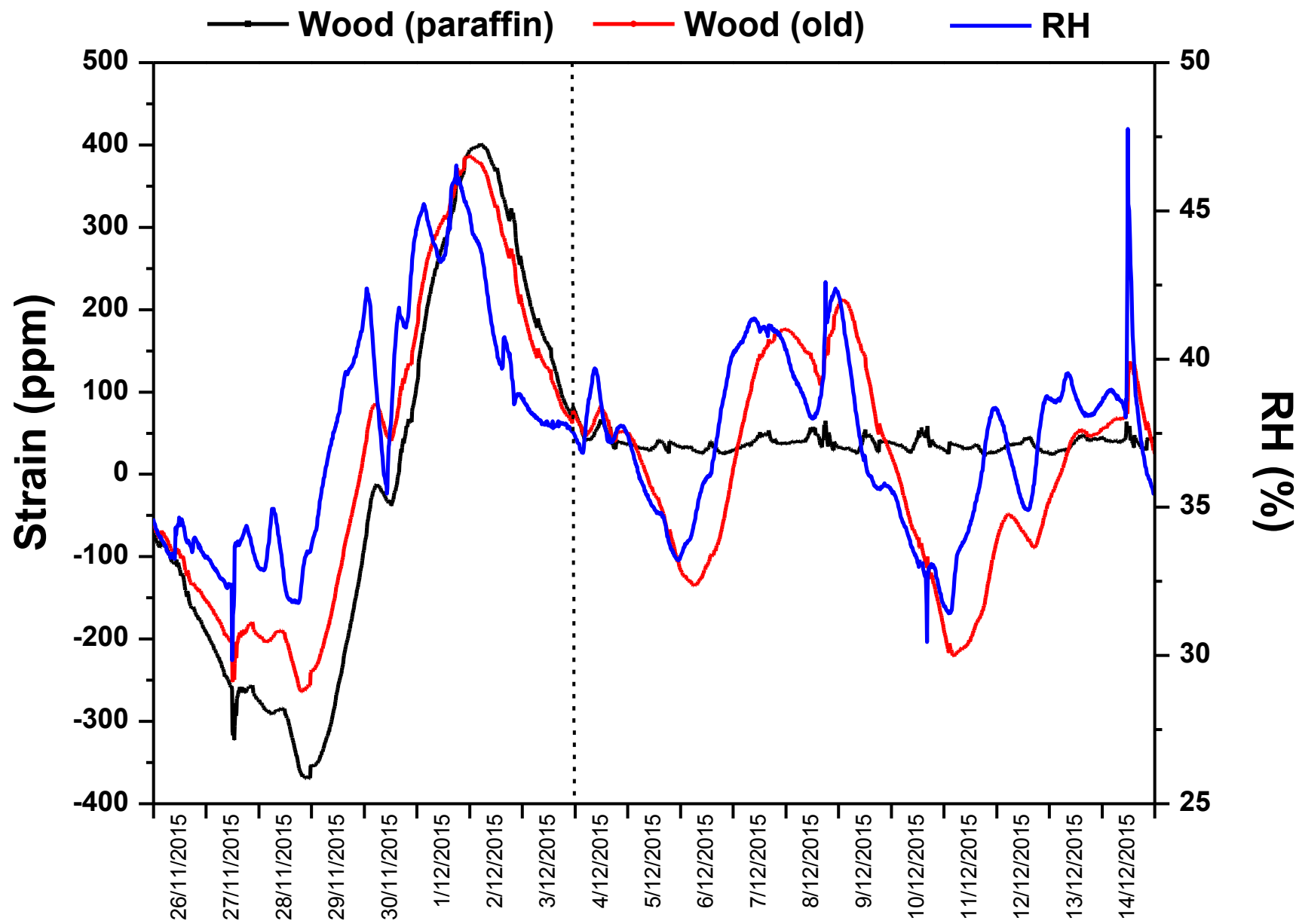
Humidity in books

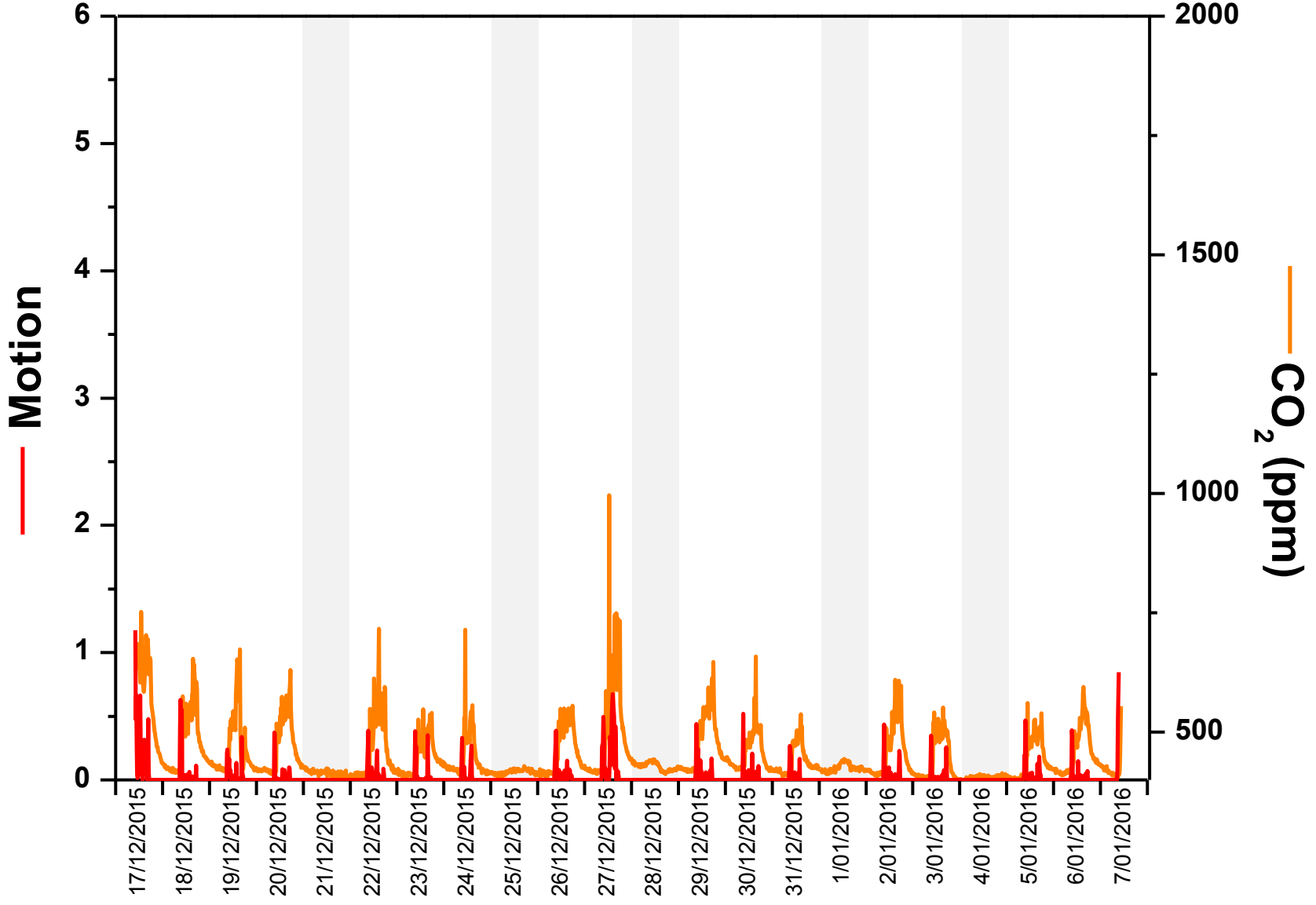
# WOOD BEHAVIOR



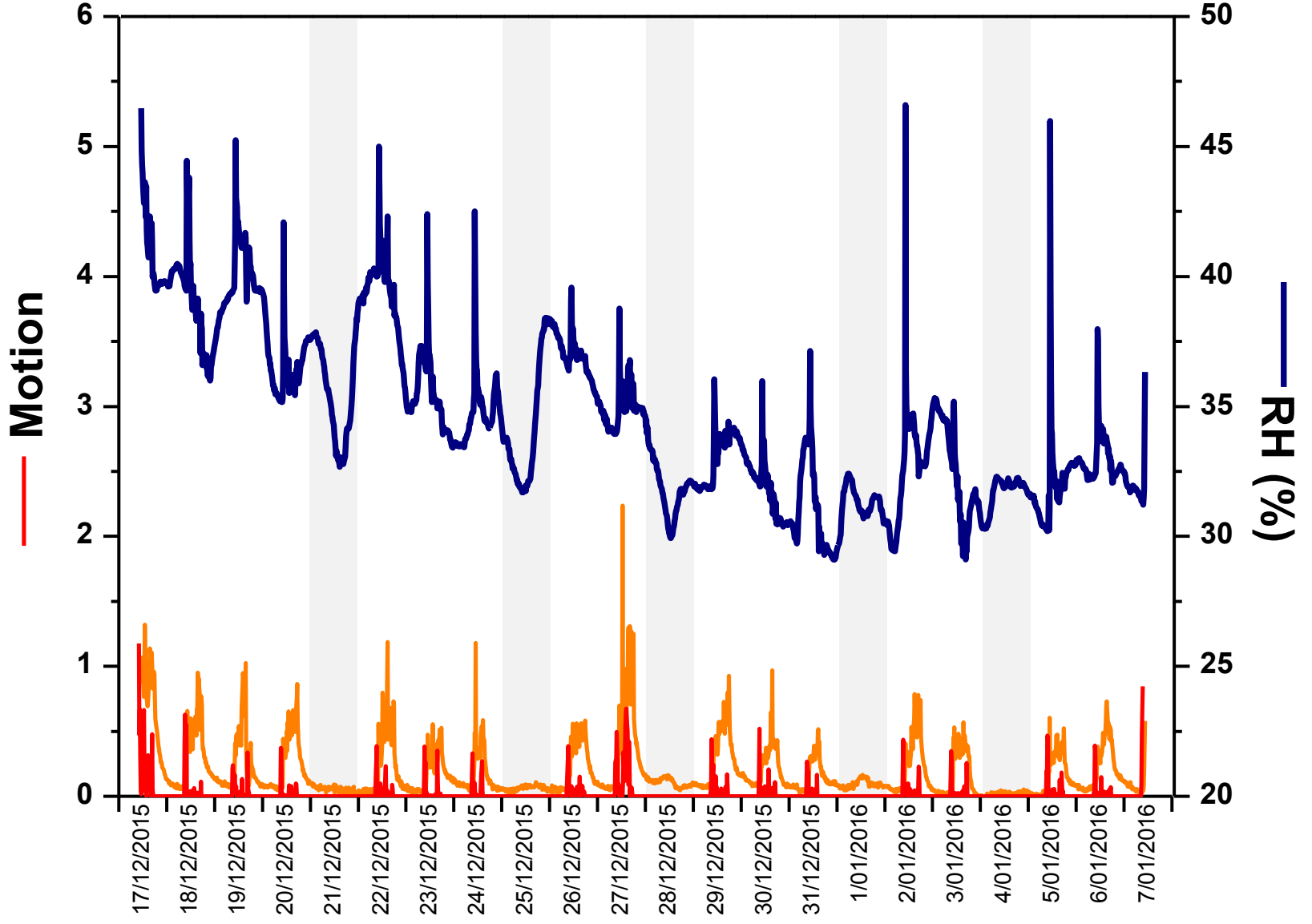


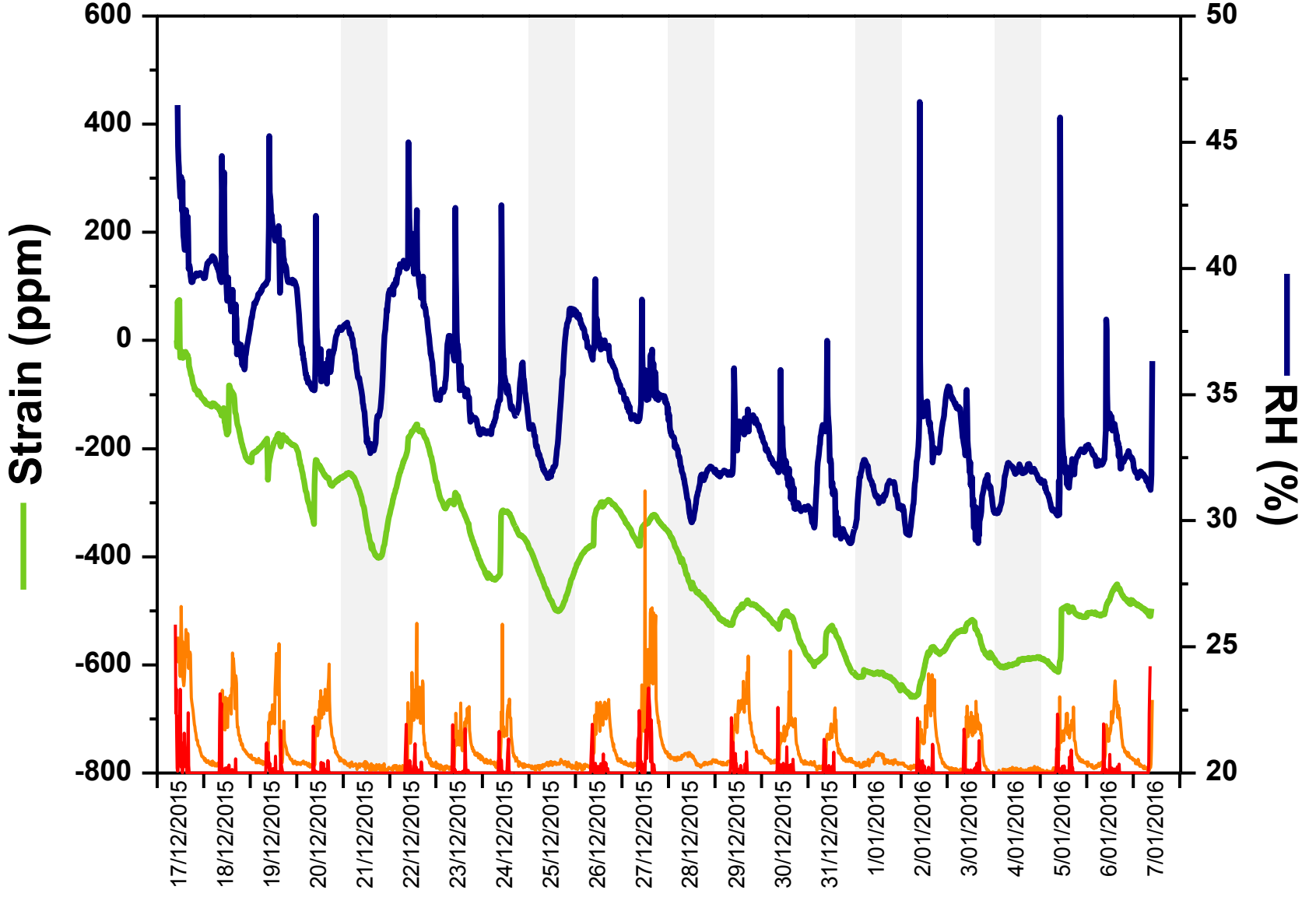












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# Advanced tools for preventive conservation

28-29 April 2016, Brussels



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