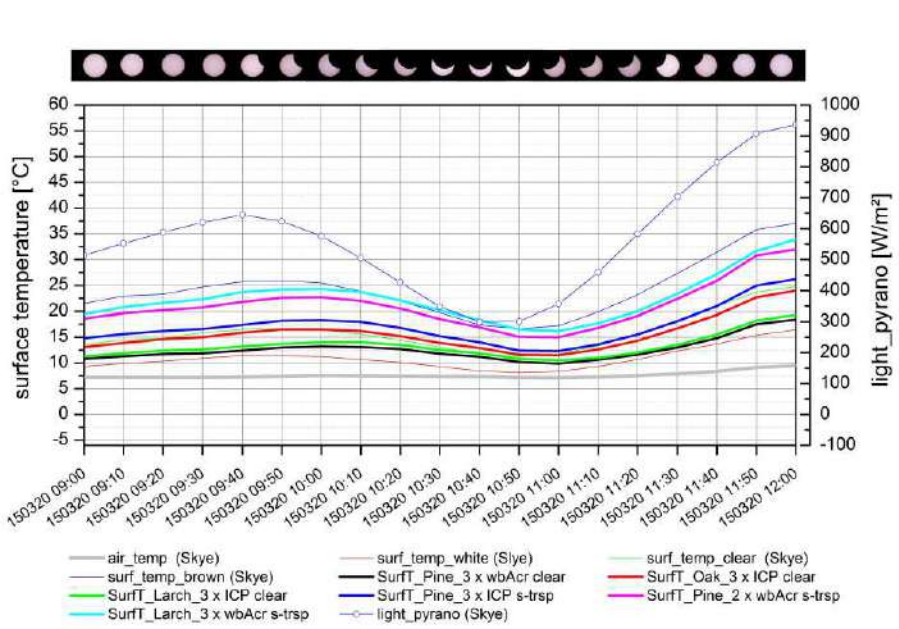
Case Study: Project Servowood

During Project Servowood, Skye sensors were used to measure and log weather parameters important to the natural weathering of different wooden panel coatings. These parameters included air temperature and humidity, surface wetness, UVA and UVB radiation, total incoming solar radiation, custom channel light sensor (400-700nm) and surface temperature.

It was the first time Skye Instruments software and sensors were used, which after quickly familiarising themselves with our SkyeLynxComms software, allowed the customer to quickly and easily set up the DataHog2 datalogger and offload the data. The setup chosen by the customer allowed them to collect the parameters they wanted and log them, while having instant access to this data on their PC. With the weather station still in place and working as expected, the customer is hoping to extend some of their tests to incorporate further use of the Skye system.



The graph presented here shows the surface temperate of the coated panels and the global radiation falling at their premises at Holzforschung Austria in Vienna. As seen in the photograph, the panels and sensors are angled at 45° inclined angle and are positioned in a southernly direction. The results shown in this graph are for 20th March 2015, during the solar eclipse.

For more information please visit www.servowood.eu

Acknowledgements and Contacts

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