

# Secondary Glazing Text Box





- North East Valley has two distinct sides. The side on the hill and the side on the flat.
- Mostly the houses on the flat get very little sun in Autumn and Winter (some as little as 20 mins per day). Behind the houses on the flat the valley rises steeply, blocking sun and trapping dampness.

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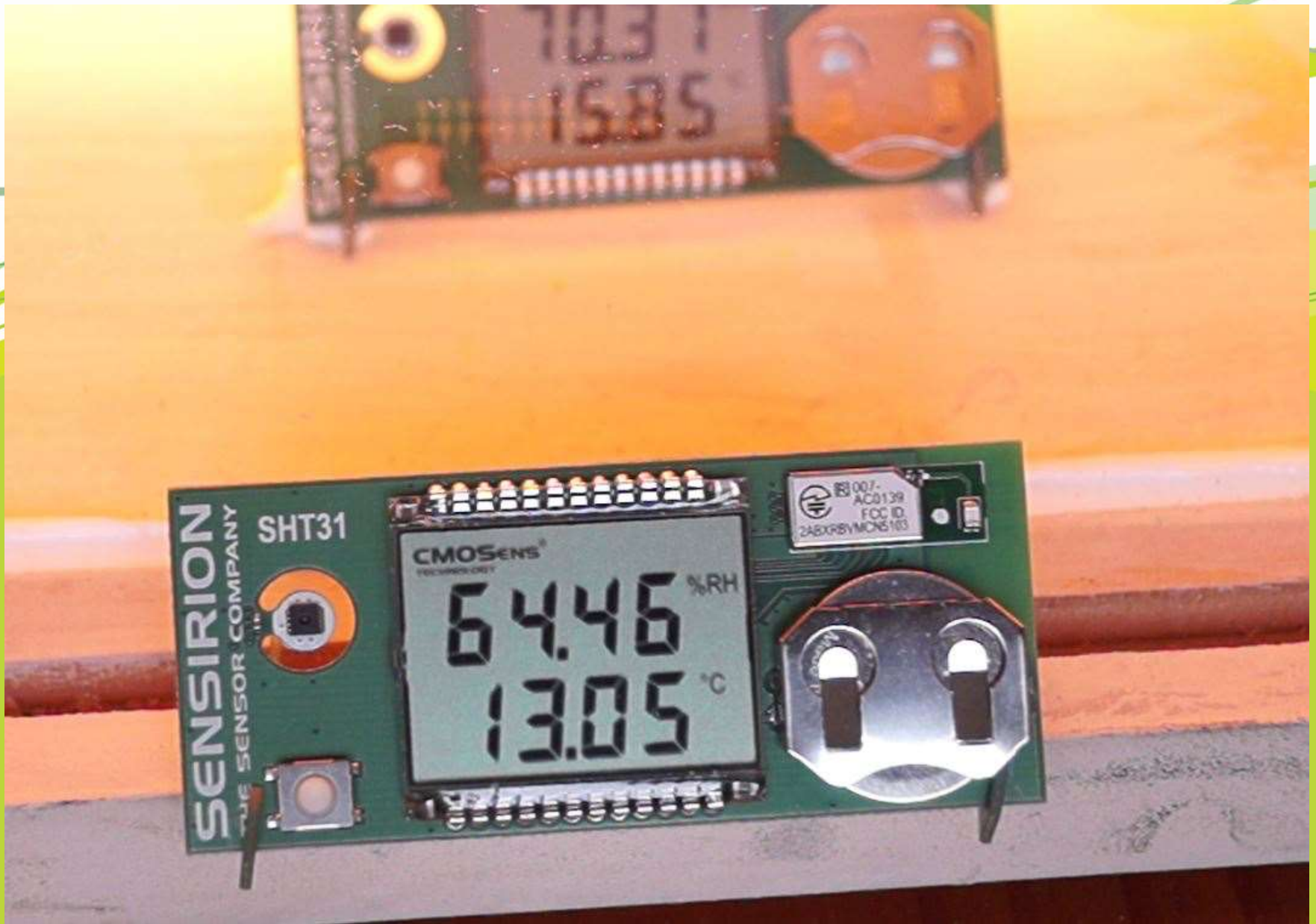
The Valley Project's Cosy Homes Initiative

# Test box data

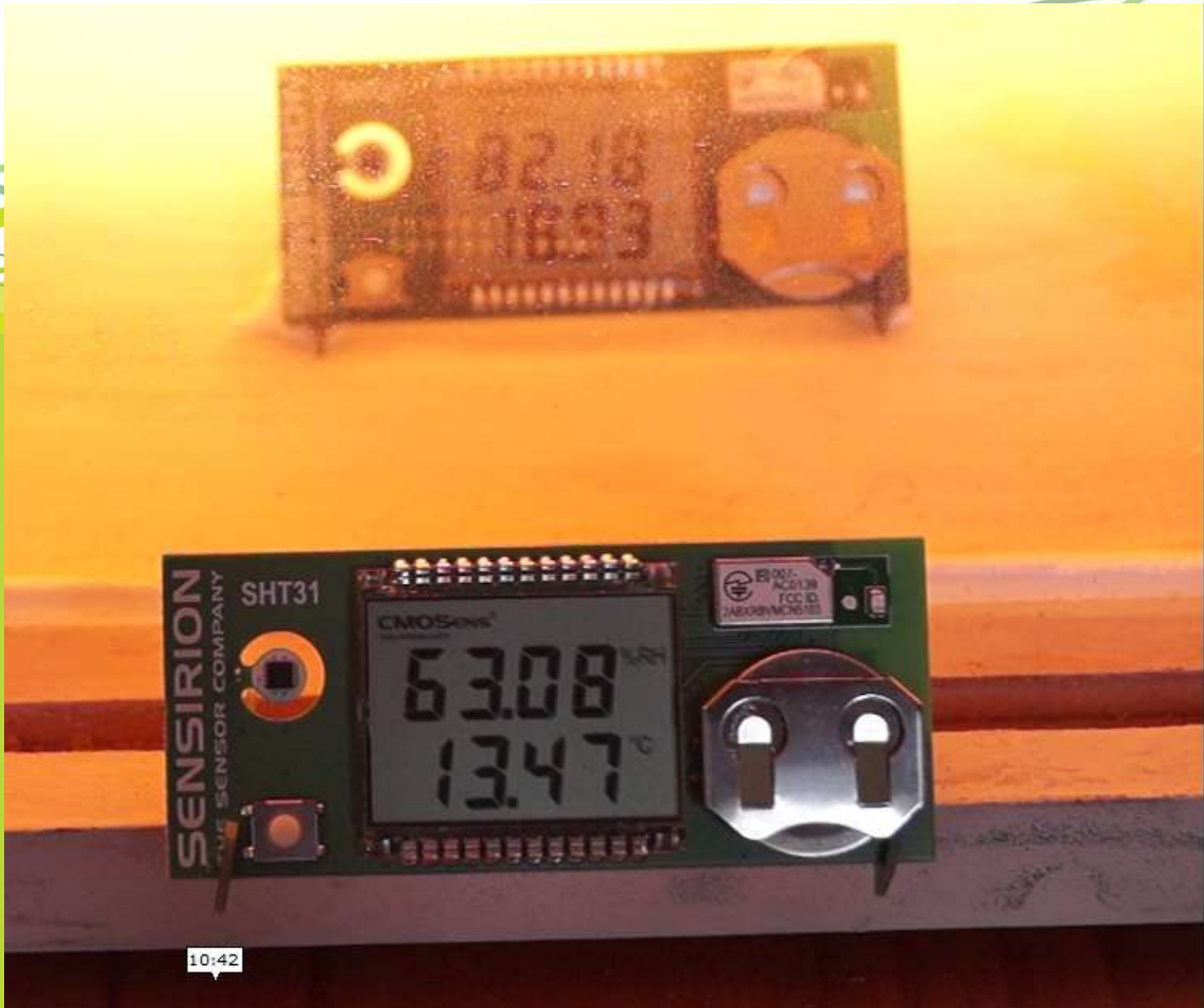
Stage	$\Delta T1, ^\circ C$	$\Delta T2, ^\circ C$	Visual inspection
Double glazed window, PVC1	17	4	Water condensation on the lower 1/2 part of internal surface.
Double glazed window, PVC2	17	5	Water condensation on the lower 2/3 part of internal surface.
Double glazed window, acrylic glass	22	4	Water condensation on the lower 1/2 part of internal surface.
Single glazed window	12	10	Water condensation on the whole internal surface.

$\Delta T1$  Max. air temperature gradient

$\Delta T2$  Top-bottom temperature gradient on the external surface



Double glazed acrylic unit – start of test



Double glazed acrylic unit – 10 mins into test



Double glazed acrylic unit – 20 mins into test







- Many households have commented on what a difference secondary glazing has made to their warmth and dryness in their homes. One mother commented that her children used to prefer to be outside in the winter as it was mostly warmer than in their house. They are now happy their house is warm!
- It has also helped created a lovely community of neighbours helping neighbours, getting to know each other and building their knowledge around these issues.



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Thank you to Sustainable Dunedin  
for helping to make this happen!