

# xserve



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## Hulme Library Update

13<sup>th</sup> November 2013



# Hulme Library Update

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- Hulme Library weather station closed on 31<sup>st</sup> Oct 2013. Rostherne No.2 is the substitute station as selected by DESC
- The WSSM was used as a guide for selecting the best approach to implement the change
- Due to the lack of available data from the Rostherne No.2 site, the WSSM signalled the use of gridded climatological datasets (produced by the Met Office) which can be used to understand any bias between two stations
- The appropriate bias adjustment will be applied to observed Rostherne No.2 temperatures to give pseudo observations for Hulme Library
- A published copy of the bias adjustments can be found in the following location:

18.NDM Profiling and Capacity Estimation Algorithms / Weather Station  
Substitution Methodology / 6.Hulme Library Weather Station  
Closure Oct2013

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- The bias for Wind Speed was found to be negligible and so an adjustment to Rostherne No.2 Wind Speed, which is measured in knots in whole numbers, is not required.

## **Implementation**

### i) Actual

The bias adjustments for the Actual CWV calculation will apply for gas day Monday 28<sup>th</sup> October 2013 onwards.

### ii) Forecast

The first use of 'bias adjusted' data in the Forecast CWVs will be seen in the 12:00 publication on Monday 28<sup>th</sup> October, which includes Forecast CWVs for Monday 28<sup>th</sup> and Tuesday 29<sup>th</sup>

Note: All of the above is applicable to both NW and WN LDZs which currently use Hulme Library for CWV calculations.