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SST CCI Uncertainty Characterisation Report (UCR; http://www.esa-sst-cci.org/sites/default/files/Documents/public/SST_cci%20UCR%20Issue%203%20%282013%2012%2004%29.pdf). Downloaded

Product Validation and Intercomparison Report (PVIR; http://www.esa-sst-cci.org/sites/default/files/Documents/public/SST_CCI-PVIR-UoL-001-Issue_1-signed-accepted.pdf). Downloaded

Bureau International des Poids et Mesures (2008), Guide to the Expression of Uncertainty in Measurement (GUM), JCGM 100:2008. Available online at <http://www.bipm.org/en/publications/guides/gum.html>

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R. Hollmann, C. J. Merchant, R. Saunders, C. Downy, M. Buchwitz, A. Cazenave, E. Chuvieco, P. Defourny, G. de Leeuw, R. Forsberg, T. Holzer-Popp, F. Paul, S. Sandven, S. Sathyendranath, M. van Roozendael, and W. Wagner, 2013: The ESA Climate Change Initiative: Satellite Data Records for Essential Climate Variables. *Bull. Amer. Meteor. Soc.*, **94**, 1541–1552.

doi: <http://dx.doi.org/10.1175/BAMS-D-11-00254.1>

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Kennedy J.J., Rayner, N.A., Smith, R.O., Saunby, M. and Parker, D.E. (2011a). Reassessing biases and other uncertainties in sea-surface temperature observations since 1850 part 1: measurement and sampling errors. *J. Geophys. Res.*, **116**, D14103, doi:10.1029/2010JD015218

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Kennedy J.J., Rayner, N.A., Smith, R.O., Saunby, M. and Parker, D.E. (2011b). Reassessing biases and other uncertainties in sea-surface temperature observations since 1850 part 2: biases and homogenisation. *J. Geophys. Res.*, 116, D14104, doi:10.1029/2010JD015220

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