

<b>Title</b>	NCAVEO 2006 : Concrete calibration site spectra
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<b>Date</b>	6 <sup>th</sup> February 2008
<b>Revision history</b>	First release
<b>Description of data set</b>	Reflectance spectra collected from the concrete calibration site at the Chilbolton Facility for Atmospheric and Radio Research (CFARR) on 17 <sup>th</sup> June 2006 as part of the NCAVEO 2006 Field Experiment.
<b>Data files in the set</b>	<p>1. Tab-delimited data file containing calibrated reflectance spectra. Note that data in the wavelengths affected by the atmosphere have been removed.</p> <p>OBCF060617_concrete_10.txt</p> <p>2. Plot of all the spectra over the visible and near IR region.</p> <p>OBCF060617_concrete.png</p> <p>3. An ENVI spectral library containing all the spectra (visible and near IR only):</p> <p>OBCF060617_concrete_VNIR_10.spc OBCF060617_concrete_VNIR_10.hdr</p> <p>4. Photograph showing the GER3700 in use at the site:</p> <p>OBCF060616_GER3700.jpg</p> <p>5. Photographs of the concrete calibration site before and after preparation for the experiment:</p> <p>OBCE060617_concrete_before.jpg OBCE060617_concrete_after.jpg</p>
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<b>Terms of use</b> <b>(see NEODC website for the full version)</b>	<p>The data may be used for all non-commercial research/project work undertaken by the NCAVEO network, in particular to learn about cal-val issues.</p> <p>If you wish to use the data set please contact the PI listed above. If you intend to publish a paper or give a presentation based on, or making significant use of these data, please consider including the PI(s) as co-author(s) at an early stage in the process.</p> <p>In all cases where the data are used in a presentation or publication, an acknowledgement must be given: for example, "<i>Data from the NCAVEO 2006 Field Campaign are provided courtesy of NCAVEO via the NERC Earth Observation Data Centre (NEODC).</i>"</p>

### Further information

The reflectance data were acquired from a fixed tripod near the north-east corner of the calibration site using a single beam GER3700 spectroradiometer. The first row of the .txt file contains the times

the spectra were measured. The nominal field-of-view of the instrument was 3°, and it was mounted 1 metre above the surface.

### **Reference**

**MacArthur, A., MacLellan, C. and Malthus, T. J., 2006.** *What does a spectroradiometer see?* Proceedings of the Annual Conference of the Remote Sensing and Photogrammetry Society, Cambridge, UK, Remote Sensing and Photogrammetry Society, CD ROM.