

<b>Title</b>	NCAVEO 2006 : Fabric 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 three artificial targets deployed at the Chilbolton Facility for Atmospheric and Radio Research (CFARR) on 16 <sup>th</sup> -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 files containing calibrated reflectance spectra:  OBDR_ASD060617_white_cp_10.txt [38 spectra]  OBER_ASD060617_grey_cp_10.txt [37 spectra]  OBFR_ASD060617_black_cp_10.txt [39 spectra]</p> <p>2. Plots of the spectra:  OBDR060717_white_fabric.png  OBER060617_grey_fabric.png  OBFR060617_black_fabric.png</p> <p>3. An ENVI spectral library containing the spectra from all three fabrics:  OB_R060617_fabrics_10.spc  OB_R060617_fabrics_10.hdr</p> <p>4. Photographs showing the fabric sheets pegged out in the field:  OBDE060616_white_fabric.jpg  OBEE060616_grey_fabric.jpg  OBFE060616_black_fabric.jpg  OB_E060617_fabric_targets.jpg</p>
<b>PI of this data set</b>	Dr Meredith Williams, University of Newcastle
<b>Research Assistant</b>	
<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 using an ASD FieldSpec Pro fitted with a contact probe.

### 1. OBDR\_ASD060617\_white\_cp\_10.txt

Contact probe (cp) measurement of the OB white fabric target using ASD unit 6408 between 12:58 and 13:06.U.T on 17 June 2006.

10 randomly positioned measurements per quadrant, anticlockwise from SE corner.

*Anomalous spectra deleted from spectral library: .007, .021 and .028 (probable poor seal on probe).*

### 2. OBER\_ASD060617\_grey\_cp\_10.txt

Contact probe (cp) measurement of the OB grey fabric target using ASD unit 6408 between 13:10 and 13:20.U.T on 17 June 2006.

10 randomly positioned measurements per quadrant, anticlockwise from SE corner.

Problems optimising on the Spectralon panel (.000 to .002 not used in the panel average).

*Anomalous spectra deleted from spectral library: .026, .027 and .030 (probable poor seal on probe).*

### 3. OBFR\_ASD060617\_black\_cp\_10.txt

Contact probe (cp) measurement of the OB black fabric target using ASD unit 6408 between 13:21 and 13:31.U.T on 17 June 2006.

10 randomly positioned measurements per quadrant, anticlockwise from SE corner.

*Anomalous spectra deleted from spectral library: .009 & .023 (probable poor seal on probe – anomalous VIS values).*