

Title	SPOT Satellite Data collected as part of the NCAVEO 2006 Field Campaign.
Document created by	Emma Rockall
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Revision history	Not released
Purpose	To describe the SPOT satellite data collection and pre-processing.
Data files in set	reordered_warped_SPOT_BNG_final.bsq reordered_warped_SPOT_BNG_final.hdr Licensing restrictions
PI of this data set	Professor E.J. Milton, School of Geography, University of Southampton e.j.milton@soton.ac.uk
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Terms of use (see NEODC website for the full version)	<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>" The following credit must also be displayed on the SPOT satellite images "<i>includes material © CNES 2006, Distribution Spot Image S.A., France, all rights reserved</i>"</p>

A SPOT-5 HRG half-scene (029/246) centred on 51 degrees 12'N and 1 degree 27'W, covering the study area and the surrounding countryside, was acquired on the 10th June 2006 commencing at 11:32:12 GMT. These data include green, red, near infra-red and short-wave infra-red (SWIR) bands, the first three having a nominal ground resolution of 10m with 20m resolution for the SWIR band that is resampled to obtain a 10 metre image. The dataset has been georeferenced to the British National Grid.

Spot Satellite	Spectral bands	Ground pixel size	Spectral resolution
Spot 5	B1: Green	10 metres	0.50 - 0.59 µm
	B2: Red	10 metres	0.61 - 0.68 µm
	B3: Near Infrared	10 metres	0.78 - 0.89 µm
	B4: Short-wave infrared	20 metres	1.58 – 1.75 µm

Access to this dataset is limited because of licensing restrictions, so prospective users should contact the NCAVEO office in the first instance (ncaveo@soton.ac.uk).