

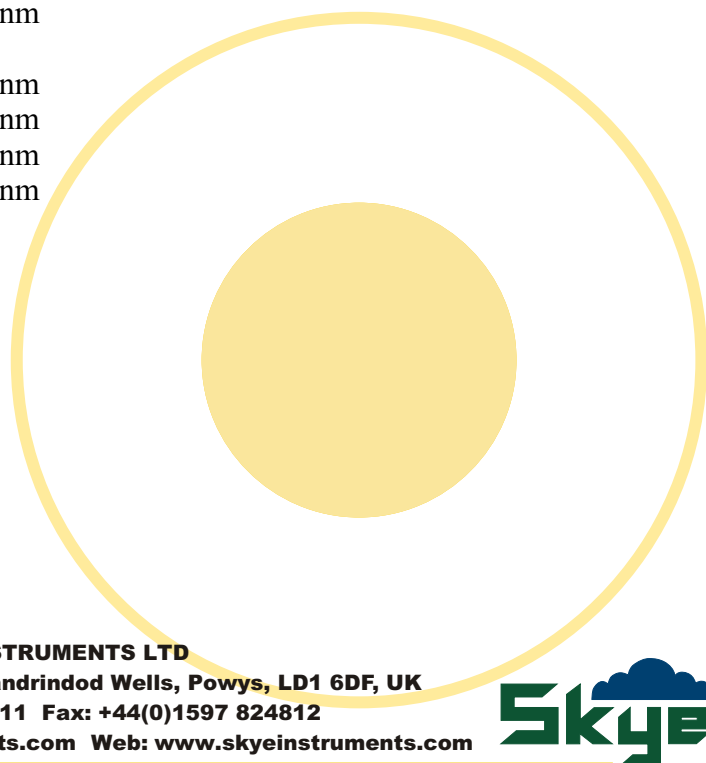
# LIGHT

## WAVELENGTHS FOR NDVI SYSTEMS

There are no 'typical' wavelengths for NDVI systems, each system can be tailored to match the user's own research project as necessary. Skye manufacture light sensor channels with broad or narrow bandwidth responses between 280 nm and 1100 nm. Each sensor and channel is calibrated to UK National Standards and supplied with a Calibration Certificate and wavelength response curve.

Examples of popular wavelength configurations are listed below:

<b>PROJECT</b>	<b>WAVELENGTHS</b>
Red / Far-red ratio	Channel 1 660 nm (20 nm bandwidth) Channel 2 730 nm(20 nm bandwidth)
Weed cover mapping	Channel 1 650 nm (10 nm bandwidth) Channel 2 800 nm (10 nm bandwidth)
Crop Density	Channel 1 650 nm (10 nm bandwidth) Channel 2 800 nm (10 nm bandwidth)
Ground truth for AHVRR satellite	Channel 1 570-680 nm Channel 2 725-1100 nm
Ground truth for Landsat satellite	Channel 1 450-500 nm Channel 2 500-600 nm Channel 3 650-700 nm Channel 4 775-900 nm
Ground truth for MODIS satellite	Channel 1 450-480 nm Channel 2 540-565 nm Channel 3 625-680 nm Channel 4 835-890 nm



**SKYE INSTRUMENTS LTD**  
21, Ddole Enterprise Park, Llandrindod Wells, Powys, LD1 6DF, UK  
Tel: +44(0)1597 824811 Fax: +44(0)1597 824812  
Email: [skyeemail@skyeinstruments.com](mailto:skyeemail@skyeinstruments.com) Web: [www.skyeinstruments.com](http://www.skyeinstruments.com)

