

This file is an annex to the document "Requirement for Copernicus Ocean Colour Vicarious Calibration Infrastructure" and is a deliverable of the project funded by the European Commission and EUMETSAT under contract EUM/CO/16/4600001772/EJK.

The uncertainty budget in next sheet is primarily a breakdown list of all sources of uncertainty identified in the vicarious gain computation (column C) with a reference to the requirement item of the document (column B).

The uncertainty values provided for each component and each wavelength (S3/OLCI sensor), from columns D to W, are examples to provide an overall uncertainty on vicarious gain, following simplified error propagation and based on case-study parameters given in the "Input parameters" table. The exact uncertainty budget should be conducted as detailed in the main document, taking into account variability of each match-up.

All uncertainties refer to standard uncertainty, i.e. coverage factor $k=1$. They are expressed in relative unit of L_w (top rows) or gain (bottom rows). For L_w , this means that numbers in columns D to W do not refer to the initial source of uncertainty but the actual effect on L_w .

