

Metadata

Standardized Instrument Name	WETLabs ECO Triplet sensor
Scheme URI	http://vocab.nerc.ac.uk/collection/L22/current/TOOL0674/2/
Term URI	SDN:L22::TOOL0674
Instrument DOI	
Instrument Unique ID	BBFL2WB-1442
ID Type	Serial Number
Model No.	1442
Instrument Type	Baseline
Description	<p>An ecotriplet is a three-optical-sensor, instrument that may carry any combination of single-wavelength fluorometers or scattering meters. The MBL ecotriplets are deployed on static moorings placed in the MBGL study lakes. The fluorometers can be configured (with typical sensitivities) for chlorophyll (470/695 nm, sensitivity 0.015-0.025 ug/l), FDOM (370/460 nm, sensitivity 0.184 ppb), phycocyanin (630/680 nm, 0.086 ppb), phycoerythrin (520/595 nm, sensitivity 0.086 ppb), The scattering meter can typically measure optical scattering at blue, green or red wavelengths (412, 470, 532, 650, 700 and 880 nm, sensitivity 0.002-0.003 m-1).</p>
Manufacturer	Wetlabs
Manufacturer type	Organizational
Notes	
Sensor Details	
Sensor Details 1	
Instrument Sensor Name	ECO Phycocyanin (PC) Fluorometer
Instrument Sensor Serial No.	BBFL2WB-1442
Sensor Range	0-175
Sensor Sensitivity	0.086
Sensor Units	ppb

Last Calibration Date 2019-02-15

Sensor Details 2

Instrument Sensor Name ECO Chlorophyll (Chl) Flurometer

Instrument Sensor Serial No. BBFL2WB-1442

Sensor Range 0-30; 0-50

Sensor Sensitivity 0.015

Sensor Units ug/l

Last Calibration Date 2019-02-15

Sensor Details 3

Instrument Sensor Name Scattering Meter

Instrument Sensor Serial No. BBFL2WB-1442

Sensor Range 0-5; 0-3

Sensor Sensitivity 0.003; 0.002

Sensor Units m-1

Last Calibration Date 2019-02-15

Data and Resources

URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/0762c466-c636-407d-9b7d-072ec41de02d/resource/fda71d5c-4cfb-43ef-8ba0-a41f212a5231/download/bbfl2wb-1442_2016.dev
Name	2016 Ecotriplet 1442 Dev file
Description	The dev file is required for conversion of data from ecotriplets. This file was created from the May 10, 2016 calibration and provided by Wetlabs
Format	
Resource Category	scripts
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/0762c466-c636-407d-9b7d-072ec41de02d/resource/e2e3436e-c3ce-4473-87bf-001999368f7b/download/ecotriplet1442_phcy_repair_2019.pdf
Name	2019 Phycocyanin calibration file and repair sheet for Ecotriplet 1442
Description	Calibration file provided by Wetlabs for Phycocyanin sensor calibration and list of any repairs conducted on Ecotriplet from Feb. 15, 2019 calibration.
Format	PDF
Resource Category	documents
URL	https://canwin-datahub.ad.umanitoba.ca/data/dataset/0762c466-c636-407d-9b7d-072ec41de02d/resource/a65a913e-fb58-441d-902c-b94d35350dbb/download/ecotriplet1442cal_scattering_chl_2019.pdf
Name	2019 Chlorophyll and scattering sensor calibration for Ecotriplet 1442
Description	Calibration file for chlorophyll and scattering sensor for Ecotriplet 1442, calibration Feb. 15, 2019 by Wetlabs.
Format	PDF
Resource Category	supplemental

Campaigns

Title	MBGL Synoptic Survey 1 May 15 - May 23, 2017
URL	https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/mbgl-synoptic-survey-1-may-15-2017
Title	MBGL Synoptic Survey 1 May-June 2016
URL	https://canwin-datahub.ad.umanitoba.ca/data/en/campaign/mbgl-ss1-may-june-2016