

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-1440
ID Type	Serial number
Model No.	1440
Instrument Type	Baseline
Description	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).
Manufacturer	Wetlabs
Manufacturer type	Organizational
Notes	UM Unique id = 094359
Sensor Details	
Sensor Details 1	
Instrument Sensor Name	ECO Phycocyanin (PC) Fluorometer
Instrument Sensor Serial No.	BBFL2WB-1440
Sensor Range	0-175
Sensor Sensitivity	0.086
Sensor Units	ppb
Last Calibration Date	2021-03-05
Sensor Details 2	
Instrument Sensor Name	ECO Chlorophyll (Chl) Fluorometer

Instrument Sensor Serial No.	BBFL2WB-1440
Sensor Range	0-30; 0-50
Sensor Sensitivity	0.015; 0.025
Sensor Units	ug/l
Last Calibration Date	2021-03-05

Sensor Details 3

Instrument Sensor Name	Scattering Meter
Instrument Sensor Serial No.	BBFL2WB-1440
Sensor Range	0-5; 0-3; 0-5
Sensor Sensitivity	0.003; 0.002
Sensor Units	m-1
Last Calibration Date	2021-03-05

Data and Resources

URL <https://canwin-datahub.ad.umanitoba.ca/data/dataset/96757fdb-9840-4373-aea1-50334f060ec7/resource/0c5cb09d-9f43-40ad-a614-de15031573bd/download/bbfl2wb-1440.dev>

Name 2016 Ecotriplet 1440 Dev file

Description The Dev file is required for conversion of data from ecotriplets. This file was created from the April 27, 2016 calibration and provided by Wetlabs.

Format

**Resource
Category** scripts

URL https://canwin-datahub.ad.umanitoba.ca/data/dataset/96757fdb-9840-4373-aea1-50334f060ec7/resource/871ff973-6920-406d-bbf1-ec8f509d2407/download/bbfl2wb-1440_2019.dev

Name 2019 Ecotriplet 1440 Dev file

Description Dev file is required for conversion of data from ecotriplets. This file was created from the Feb. 12, 2019 calibration and provided by Wetlabs.

Format

**Resource
Category** scripts

URL https://canwin-datahub.ad.umanitoba.ca/data/dataset/96757fdb-9840-4373-aea1-50334f060ec7/resource/c50c2240-ff6f-4667-b359-cfaa409457ef/download/ecotriplet_1440_phyco_2019.pdf

Name 2019 Chlorophyll, Phycocyanin Calibration Sheet

Description Calibration file provided by WeLabs for phycocyanin and chlorophyll sensors for Ecotriplet 1440,

calibrated Feb. 12, 2019

Format PDF
Resource Category documents

URL https://canwin-datahub.ad.umanitoba.ca/data/dataset/96757fdb-9840-4373-aea1-50334f060ec7/resource/9f0bcf4d-90c1-45ad-877b-82da6dc9960b/download/ecotriplet_1440_scattermet_2019.pdf

Name 2019 Scattering sensor calibration file for Ecotriplet 1440

Description Calibration file for scattering meter for Ecotriplet 1440, calibrated Feb. 12, 2021

Format PDF

Resource Category documents

URL https://canwin-datahub.ad.umanitoba.ca/data/dataset/96757fdb-9840-4373-aea1-50334f060ec7/resource/9bfd4319-d688-43d8-b19e-a09c1a3d56ba/download/ecotriplet_1440_bbf12wb_1440_2021calibr_phycocy.pdf

Name 2021 Calibration file for phycocyanin for Ecotriplet 1440

Description Calibration file for phycocyanin sensor for Ecotriplet 1440, calibrated March 5, 2021

Format PDF

Resource Category documents

URL https://canwin-datahub.ad.umanitoba.ca/data/dataset/96757fdb-9840-4373-aea1-50334f060ec7/resource/40563411-e479-4b2b-8676-58d24dfc4ed7/download/ecotriplet_1440_bbf12wb_1440_2021.pdf

Name 2021 Calibration file for chlorophyll, scattering sensors for Ecotriplet 1440

Description Calibration file for chlorophyll, scattering sensorf for Ecotriplet 1440, calibrated March 5, 2021

Format PDF

Resource Category documents

Campaigns

Title MBGL Synoptic Survey 1 May-June 2016

URL <https://canwin-datahub.ad.umanitoba.ca/data/campaign/mbgl-ss1-may-june-2016>