

Metadata

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|-------------------------------------|--|
| 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

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|--------------------------|---|
| 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

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|--------------|---|
| 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 |