**Data Dictionary**

**Mouth of Placentia Bay Buoy**

|  |  |  |
| --- | --- | --- |
| **Variable** | **Minimum** | **Maximum** |
| station\_name | smb\_mouth\_of\_placentia | smb\_mouth\_of\_placentia |
| time (Timestamp, UTC) | 2006-08-18T17:16:59Z | 2021-04-19T18:55:00Z |
| latitude (degrees\_north) |  |  |
| longitude (degrees\_east) |  |  |
| wind\_spd\_avg (m s-1) | 0.0 | 460.7 |
| wind\_spd\_max (m s-1) | 0.0 | 309.4 |
| wind\_dir\_avg (Wind From Direction, degree) | 0 | 360 |
| wind\_spd2\_avg (m s-1) | 0.0 | 34.9 |
| wind\_spd2\_max (m s-1) | 0.0 | 138.3 |
| wind\_dir2\_avg (Wind From Direction, degree) |  |  |
| air\_temp\_avg (degree\_C) | -21.9 | 32.6 |
| air\_pressure\_avg (Air Pressure, mbar) | 951.61 | 1049.97 |
| air\_humidity\_avg (1) | 0.0 | 102.0 |
| air\_dewpoint\_avg (degree\_C) | -101.1 | 32.6 |
| surface\_temp\_avg (degree\_C) | -5.91 | 323.96 |
| wave\_ht\_max (m) | 0.0 | 323.96 |
| surface\_salinity\_avg (1e-3) | 0.0 | 323.961 |
| surface\_cond\_avg (S m-1) | 0.0195 | 323.961 |
| wave\_ht\_sig (m) | 0.0 | 323.96 |
| wave\_period\_max (s) | 0.0 | 324.0 |
| wave\_dir\_avg (degree) | 0.0 | 360.0 |
| wave\_spread\_avg (degree) | 0.0 | 324.0 |
| curr\_dir\_avg (degree) | 0.0 | 360.0 |
| curr\_spd\_avg (mm s-1) | 0.0 | 24201.3 |

**Pilot Boarding Station / Red Island Shoal Buoy**

|  |  |  |
| --- | --- | --- |
| **Variable** | **Minimum** | **Maximum** |
| station\_name | smb\_red\_island\_shoal | smb\_red\_island\_shoal |
| time (Timestamp, UTC) | 2010-07-06T19:55:00Z | 2021-02-26T15:55:00Z |
| latitude (degrees\_north) | 47.24438 | 47.39998333 |
| longitude (degrees\_east) | -54.36902167 | -53.91570333 |
| wind\_spd\_avg (m s-1) | 0.0 | 207.1 |
| wind\_spd\_max (m s-1) | 0.0 | 345.4 |
| wind\_dir\_avg (Wind From Direction, degree) | 0 | 360 |
| air\_temp\_avg (degree\_C) | -15.3 | 20.7 |
| air\_pressure\_avg (Air Pressure, mbar) | 953.2 | 1047.0 |
| air\_humidity\_avg (1) | 39.1 | 110.0 |
| air\_dewpoint\_avg (degree\_C) | -18.9 | 21.6 |
| surface\_temp\_avg (degree\_C) | -5.3 | 20.2 |
| wave\_ht\_max (m) | 0.0 | 21.9 |
| wave\_ht\_sig (m) | 0.0 | 9.3 |
| wave\_period\_max (s) | 0.0 | 33.3 |
| wave\_dir\_avg (degree) | 0 | 360 |
| wave\_spread\_avg (degree) | 0 | 80 |
| curr\_dir\_avg (degree) | 0.0 | 360.0 |
| curr\_spd\_avg (mm s-1) | 0.0 | 40510.9 |

**Placentia Bay: Ragged Islands – KLUMI**

|  |  |  |
| --- | --- | --- |
| **Variable** | **Minimum** | **Maximum** |
| station\_name | KLUMI\_20210419 | KLUMI\_20210419 |
| time (Timestamp, UTC) | |  |  | | --- | --- | | 2017-08-31T11:10:00Z |  | | 2021-04-19T18:04:01Z |
| wind\_dir\_avg (Wind From Direction, degree) | 0.0 | 359.0 |
| wind\_spd\_gust\_dir (degree) | 0.0 | 830.0 |
| wind\_spd\_avg (Wind Speed Avgerage, m s-1) | 0.01 | 28.53 |
| wind\_spd\_gust (Wind Speed Of Gust, m s-1) | 0.0 | 37.14 |
| battery\_voltage (V) | 12.01 | 14.4 |
| latitude (degrees\_north) | 47.59359 | 47.59359 |
| longitude (degrees\_east) | -54.27349 | -54.27349 |