

Any data downloaded before March 2019 will have had the following quality control applied to it.

Each data point is subjected to a series of rules. Depending on the rule, failure will result in a flag of Probably Good, Probably Bad or Bad. Failing multiple rules will have a cumulative impact. Two probably goods gives a probably bad. Any more than this results in Bad.

The rules follow

- $>34^{\circ}\text{C}$ -> Probably good
- $<16^{\circ}\text{C}$ -> Probably good
- $<5^{\circ}\text{C}$ -> Bad
- $>2^{\circ}\text{C}$ different from previous reading -> Probably Bad
- >3 standard deviations different from the average over last 15 days -> Probably good
- for depth $< 5\text{m}$
 - 12 hour range $> 4^{\circ}\text{C}$ -> probably good
- for depth $> 5\text{m}$
 - 12 hour range $> 2^{\circ}\text{C}$ -> probably good
- $>3^{\circ}\text{C}$ different from two nearby loggers -> probably good