

# STR QC Report: PRIA 2014

The file used in this QC routine is:

ESD\_NCRMP\_Temperature\_2014\_PRIA.csv

QC run at: 2020-06-03 18:42:37 HST

Number of records in data file: 281345

Number of STR time series in data file: 11

## Get data ranges

|                | Min                 | Max                 |
|----------------|---------------------|---------------------|
| Latitude       | 19.27674            | 19.31631            |
| Longitude      | 166.5949            | 166.6572            |
| Depth          | 1.7                 | 25.7                |
| DeployUTC      | 2011-03-22 21:11:00 | 2011-03-26 03:17:00 |
| RetrieveUTC    | 2014-03-15 23:45:00 | 2014-03-19 03:26:00 |
| ValidDataStart | 2011-03-22 22:00:00 | 2011-03-26 04:00:00 |
| ValidDataEnd   | 2013-07-02 04:00:00 | 2014-03-19 03:00:00 |
| TimeStamp      | 2011-03-22 22:00:00 | 2014-03-19 03:00:00 |
| Temperature    | 20.8428             | 32.3460             |

## Check for NULLs in all metadata fields

“OK” signifies that no NULL data exist. “Not OK” signifies that NULL values are present.

|                | OK? |
|----------------|-----|
| OCC_SITEID     | OK  |
| LATITUDE       | OK  |
| LONGITUDE      | OK  |
| DEPTH          | OK  |
| REGION         | OK  |
| LOCATION       | OK  |
| INSTRUMENTTYPE | OK  |
| DEPLOYCRUISE   | OK  |
| DEPLOYUTC      | OK  |
| RETRIEVECRUISE | OK  |
| RETRIEVEUTC    | OK  |
| VALIDDATASTART | OK  |
| VALIDDATAEND   | OK  |

## Is there more than one STR per MISSIONINSTRUMENTID?

[1] “Only one STR per MISSIONINSTRUMENTID”

**Is there more than one instrument type?**

[1] “Only STRs in data”

**Do the deploy and recover dates match the cruises?**

| DEPLOYCRUISE | DEPLOYUTC.range                          |
|--------------|--|
| HA1101_LEGI  | 2011-03-22 21:11:00, 2011-03-26 03:17:00 |

| RETRIEVECRUISE | RETRIEVEUTC.range                        |
|----------------|--|
| HA1401_LegI    | 2014-03-15 23:45:00, 2014-03-19 03:26:00 |

**Are any STRs uploaded twice?**

[1] “No duplicates present”

**Are all VALIDDATASTART after DEPLOYUTC?**

[1] “All VALIDDATASTART are OK”

**Are all VALIDDATAEND before RETRIEVEUTC?**

[1] “All VALIDDATAEND are OK”

**Are all TIMESTAMP after VALIDDATASTART?**

[1] “All TIMESTAMP are OK”

**Are all TIMESTAMP before VALIDDATAEND?**

[1] “All TIMESTAMP are OK”

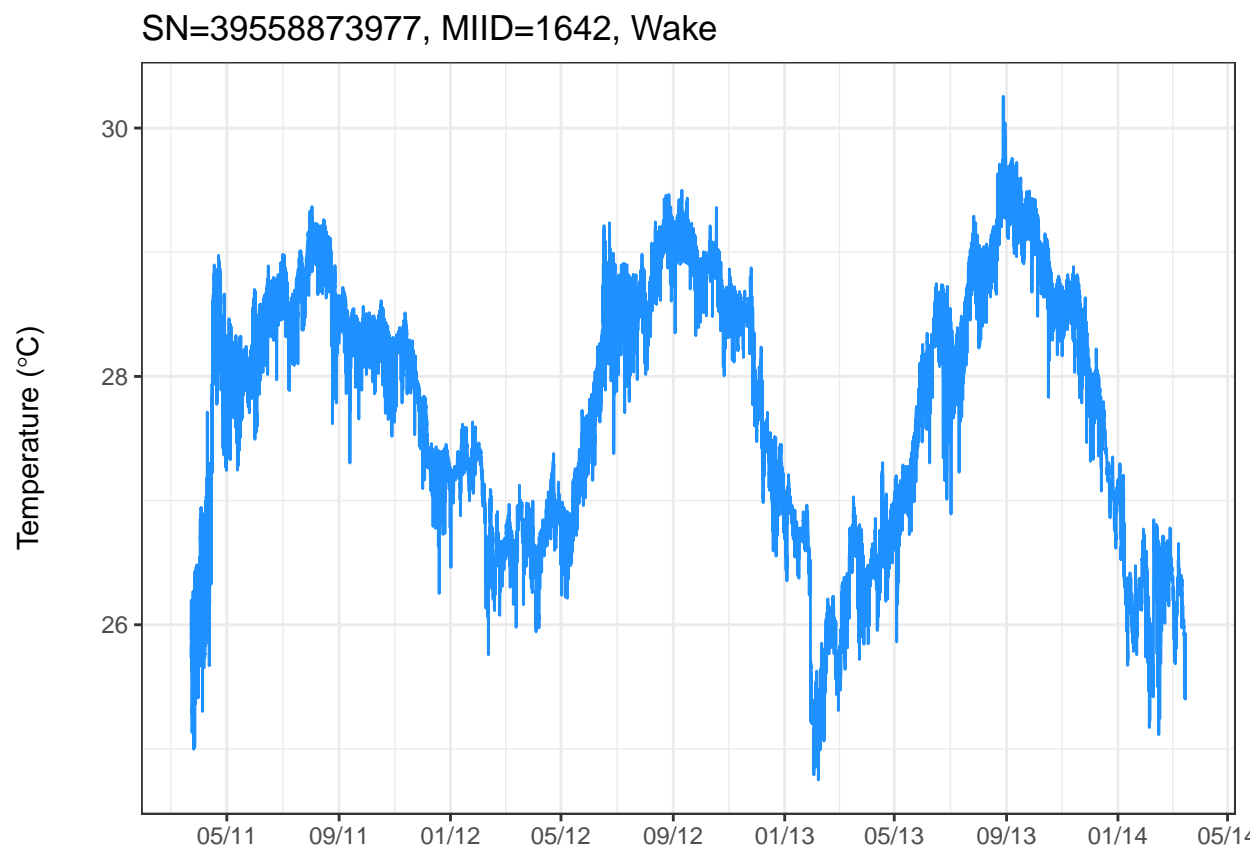
**Do all STRs have the expected number of observations?**

[1] “All STRs have expected number of observations”

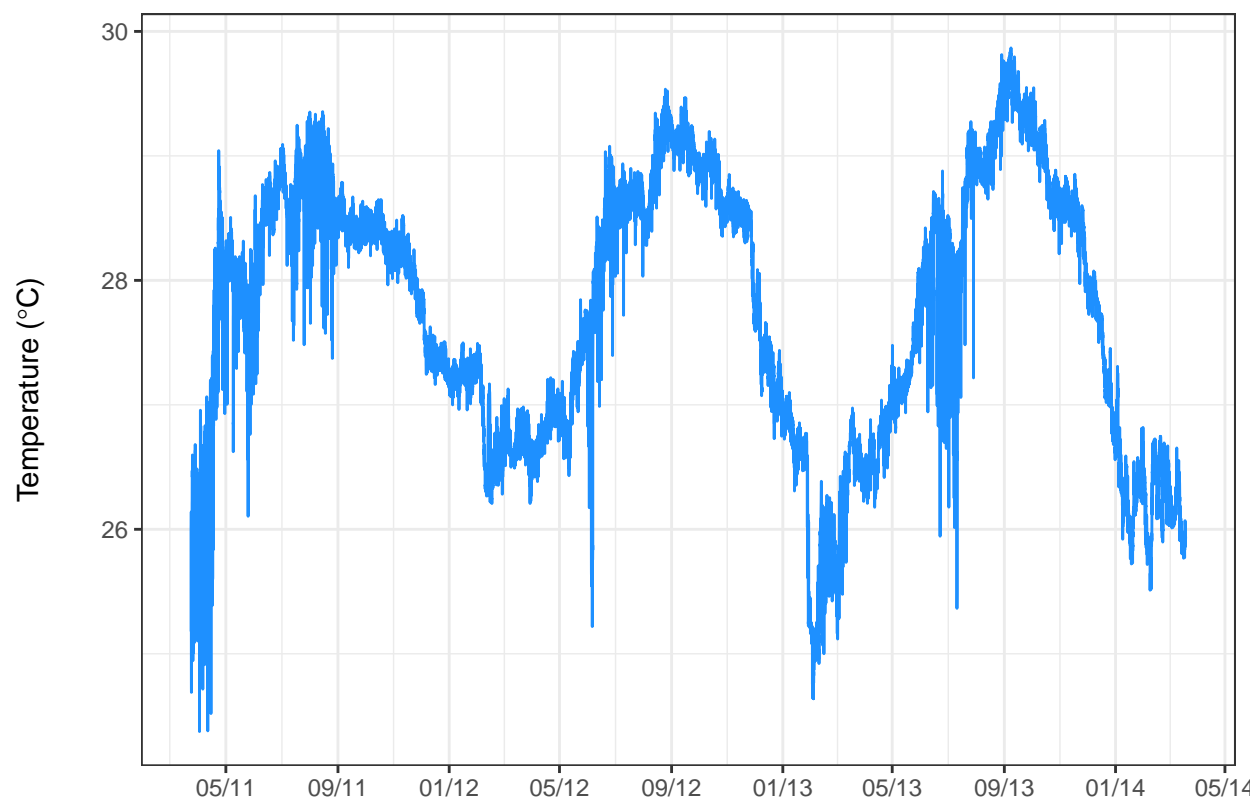
## Summary of STRs

| MISSIONINSTRUMENTID | INSTRUMENTSN | LOCATION | VALIDDATASTART      | VALIDDATAEND        | INTERVAL |
|---------------------|--------------|----------|---------------------|---------------------|----------|
| 1642                | 39558873977  | Wake     | 2011-03-22 22:00:00 | 2014-03-16 04:00:00 | 60 mins  |
| 1645                | 39275490867  | Wake     | 2011-03-23 22:00:00 | 2014-03-18 22:00:03 | 60 mins  |
| 1646                | 39558873992  | Wake     | 2011-03-24 03:00:00 | 2014-03-18 03:00:00 | 60 mins  |
| 1647                | 39558873983  | Wake     | 2011-03-24 01:00:00 | 2014-03-18 02:00:00 | 60 mins  |
| 1648                | 39558874177  | Wake     | 2011-03-24 07:00:00 | 2013-07-02 04:00:00 | 60 mins  |
| 1650                | 39486894032  | Wake     | 2011-03-25 03:00:00 | 2014-03-19 01:00:00 | 60 mins  |
| 1652                | 39486894037  | Wake     | 2011-03-25 23:00:00 | 2014-03-19 03:00:00 | 60 mins  |
| 1653                | 39541654758  | Wake     | 2011-03-25 02:00:00 | 2014-03-15 23:00:00 | 60 mins  |
| 1654                | 39474933544  | Wake     | 2011-03-25 03:00:00 | 2014-03-19 00:00:00 | 60 mins  |
| 1655                | 39558874979  | Wake     | 2011-03-25 11:00:00 | 2014-03-17 00:00:00 | 60 mins  |
| 1656                | 39558874023  | Wake     | 2011-03-26 04:00:00 | 2014-03-17 22:00:00 | 60 mins  |

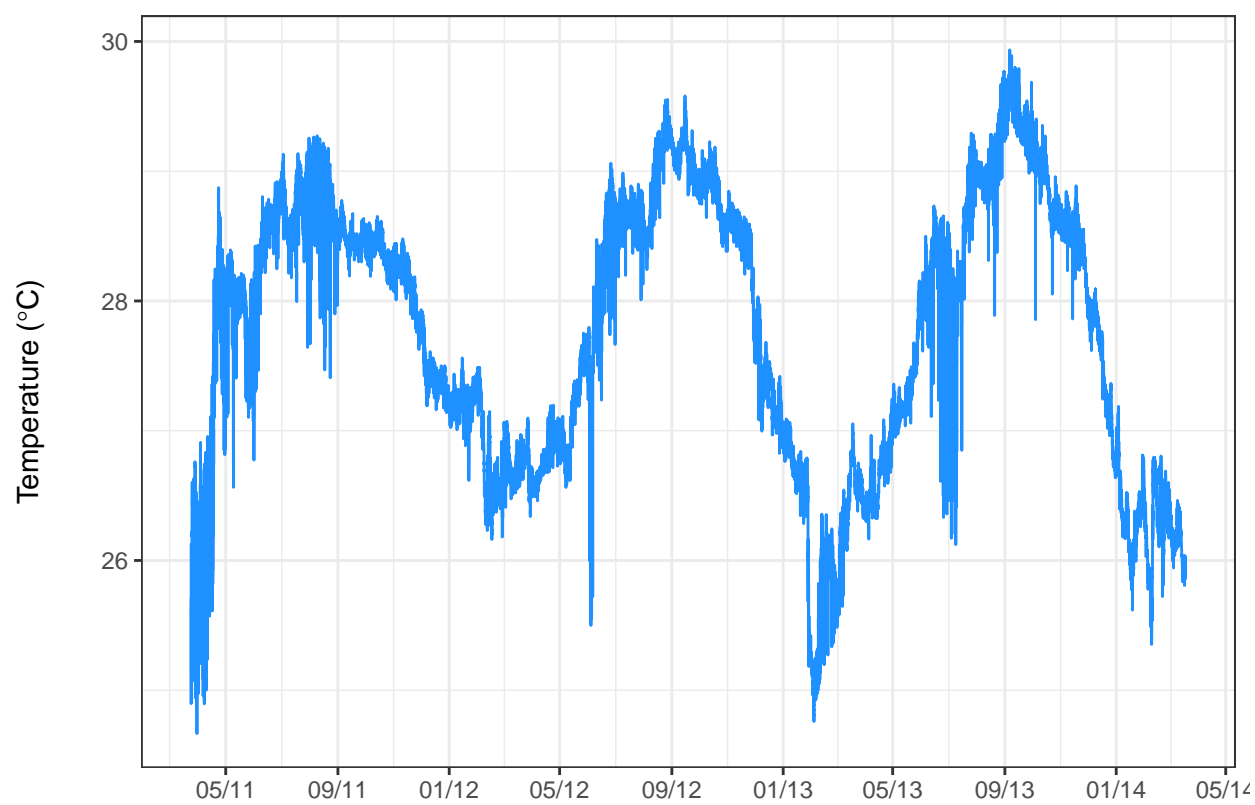
Individual STR plots by SN:



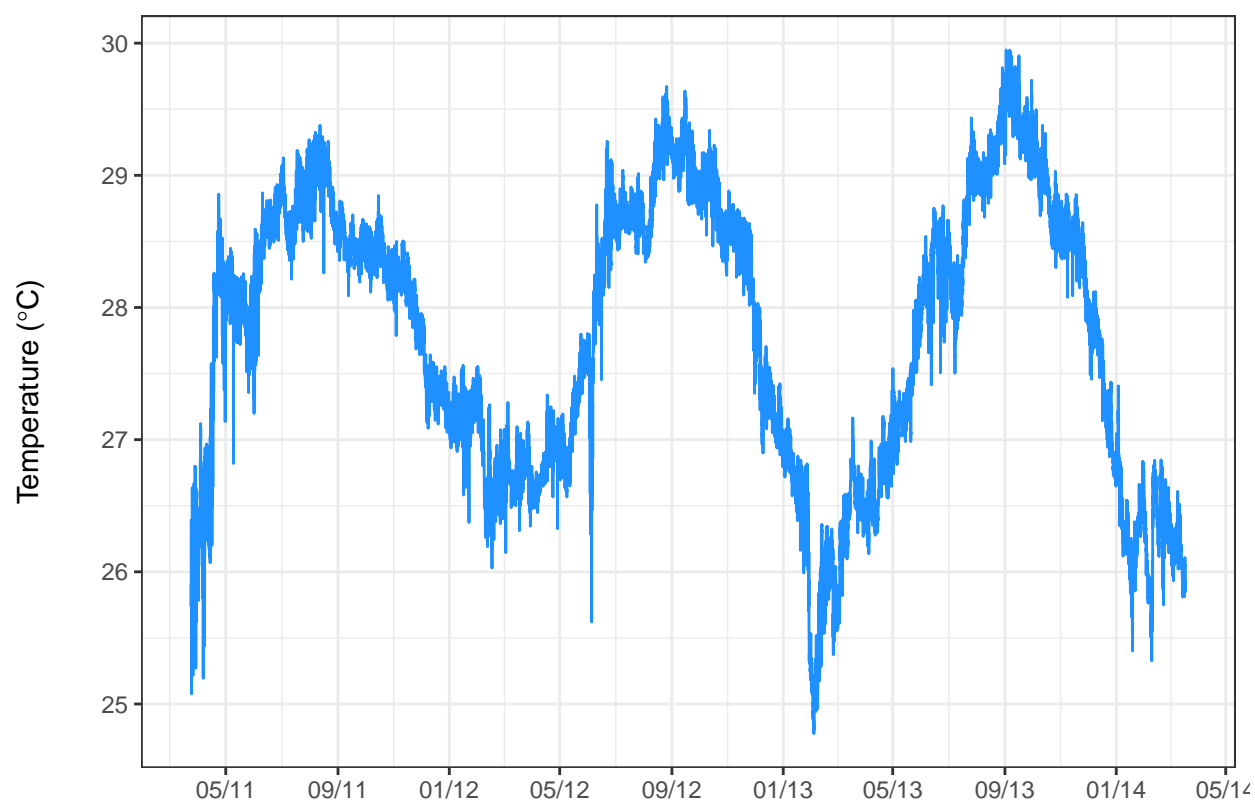
SN=39275490867, MIID=1645, Wake



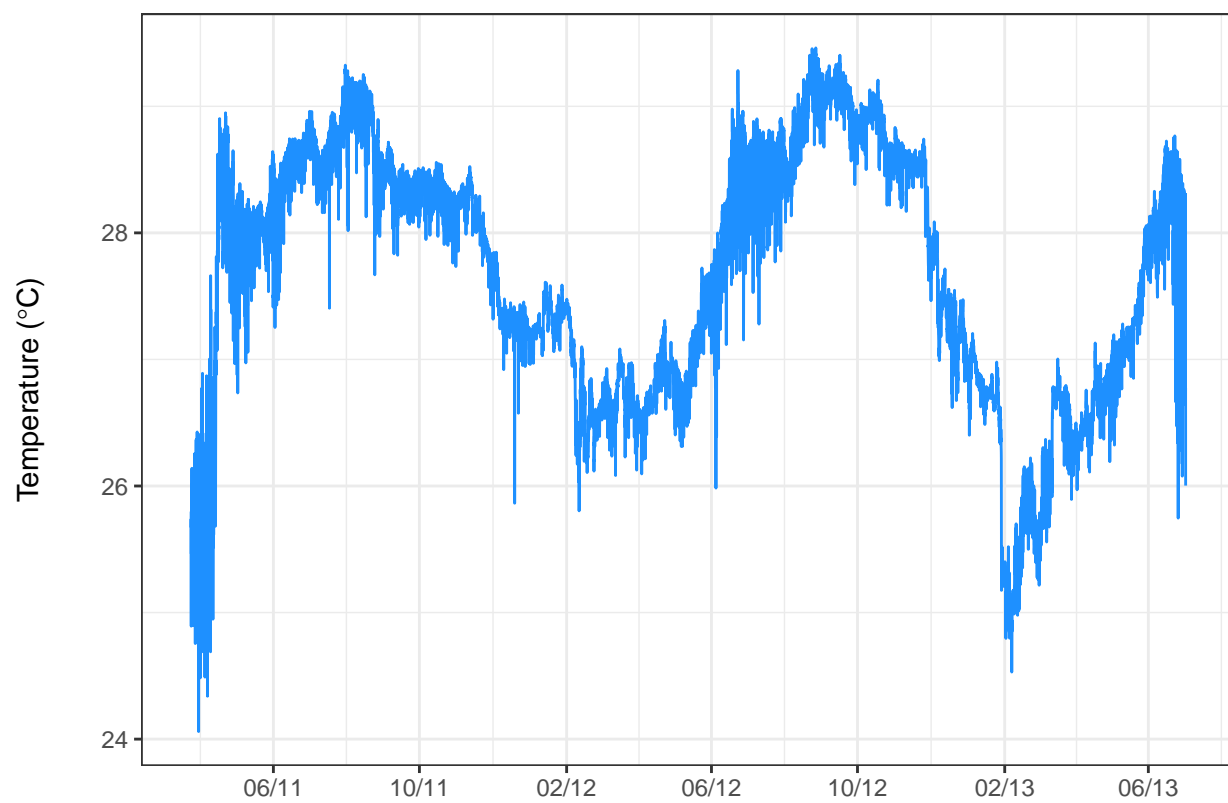
SN=39558873992, MIID=1646, Wake



SN=39558873983, MIID=1647, Wake

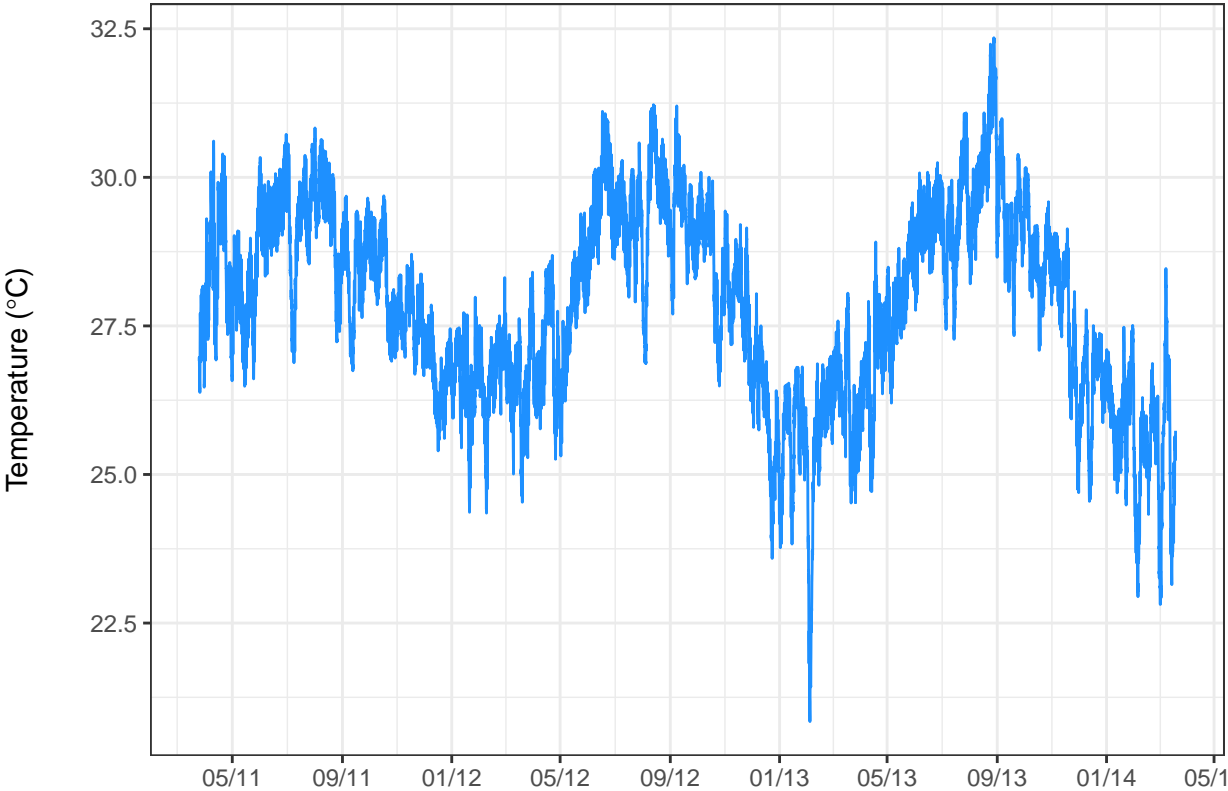


SN=39558874177, MIID=1648, Wake

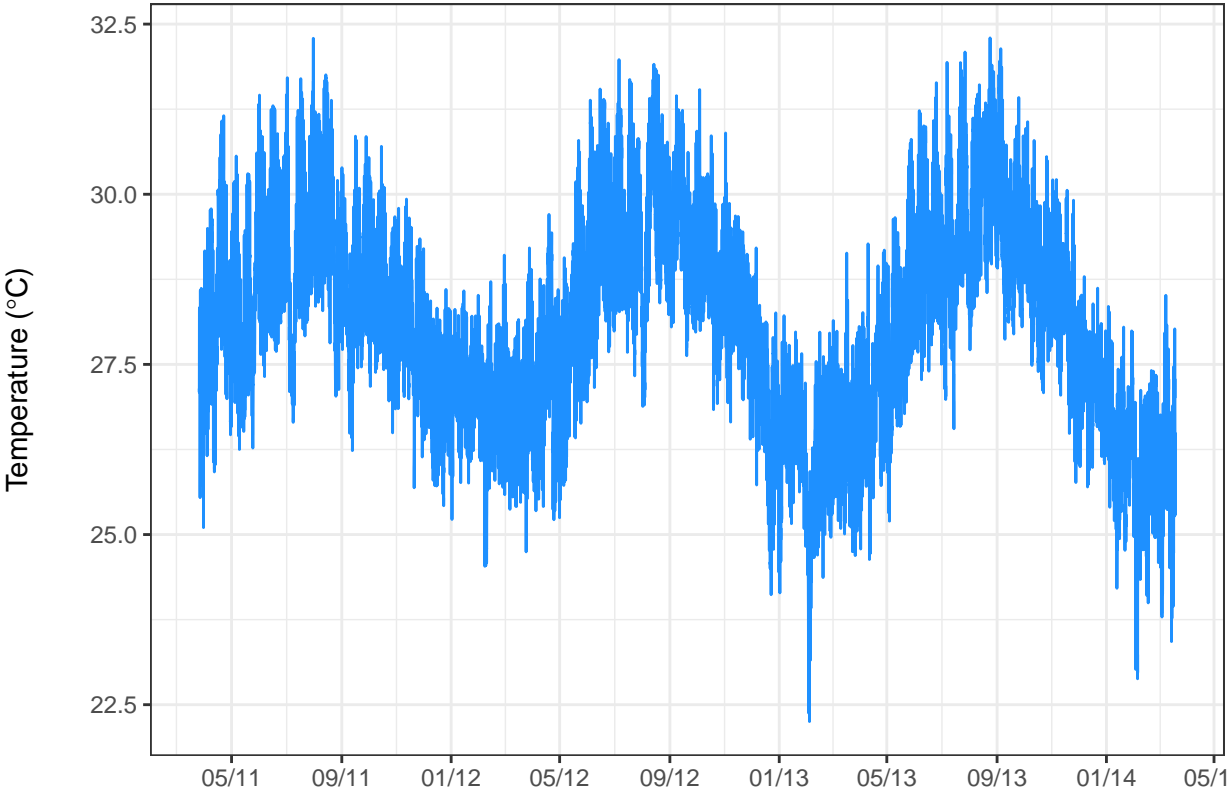




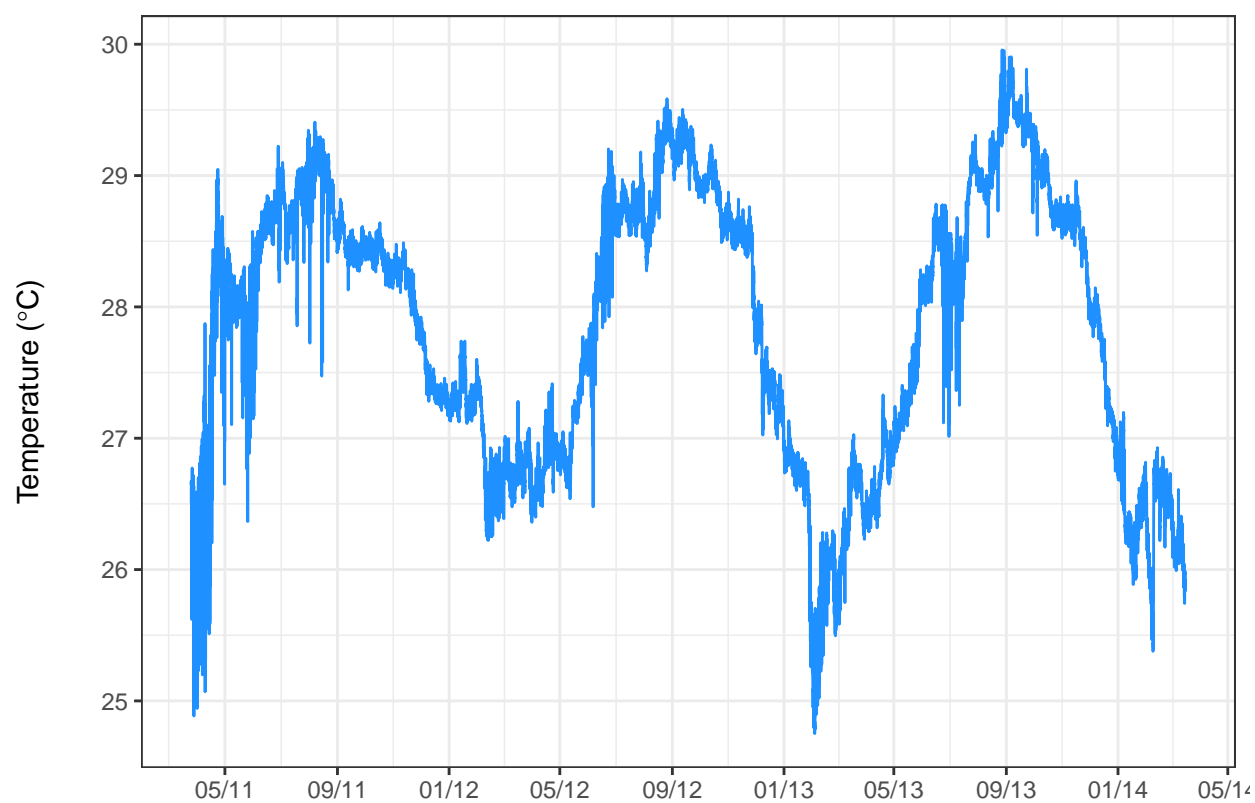
SN=39486894032, MIID=1650, Wake



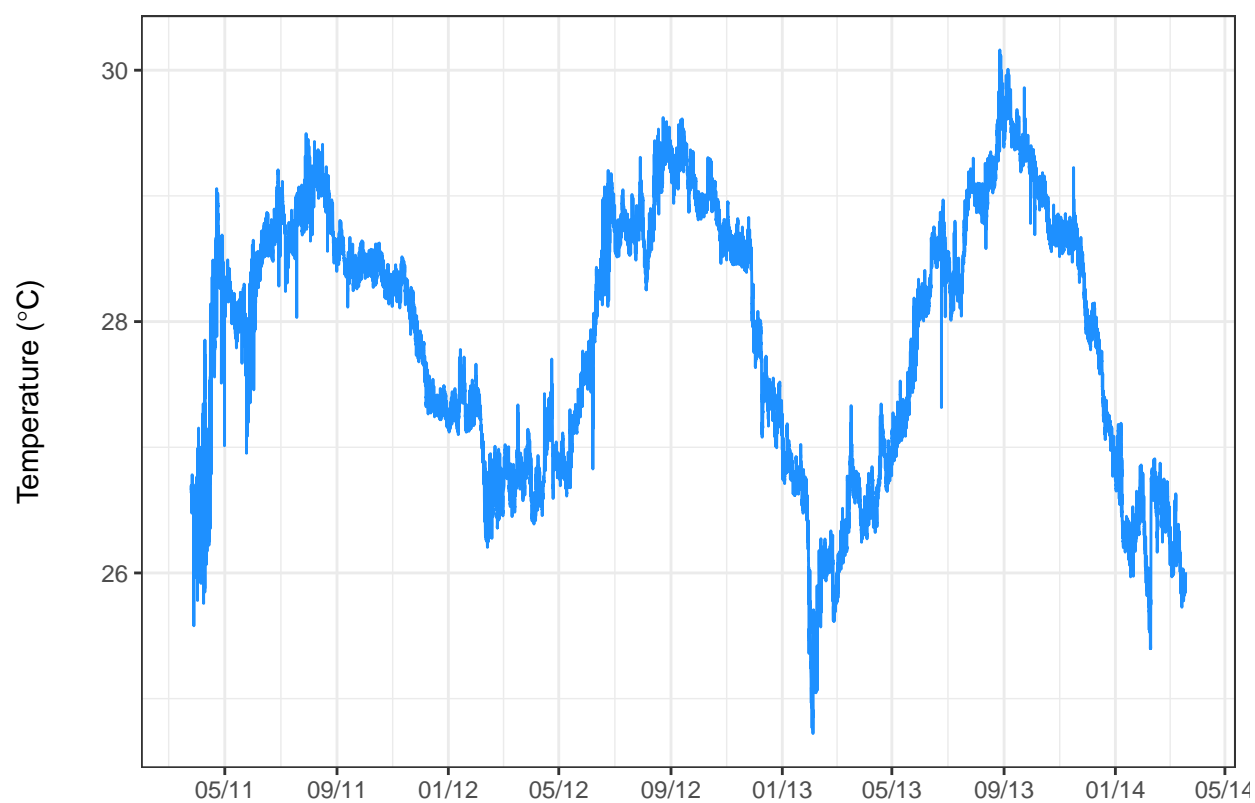
SN=39486894037, MIID=1652, Wake



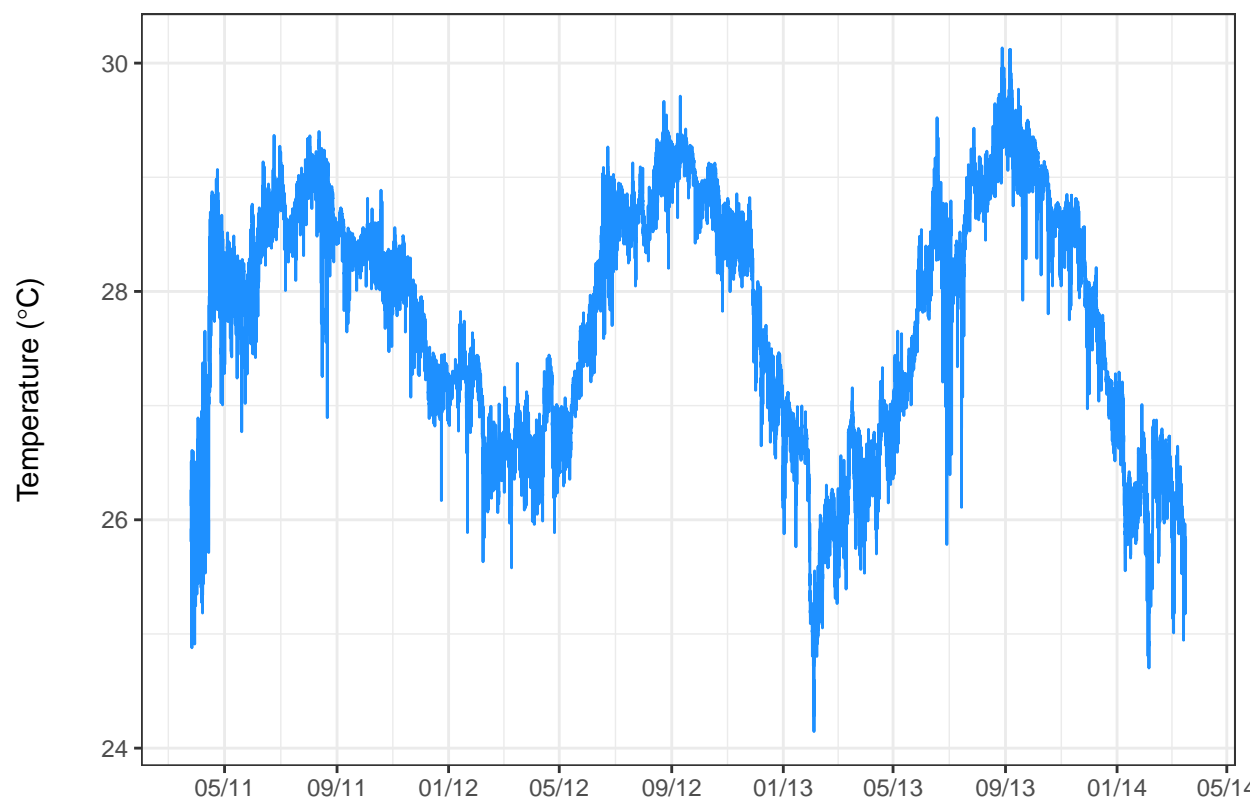
SN=39541654758, MIID=1653, Wake



SN=39474933544, MIID=1654, Wake



SN=39558874979, MIID=1655, Wake



SN=39558874023, MIID=1656, Wake

