**National Mooring Network - Report templates**

This document contains information to produce reports for the following sub-facilities: National Mooring Network – QLD & NA, NSW, SA, WA, NRS, and Acidification Moorings, Passive Acoustic Observatories, and Real-Time data.

Number of data reports: 17.

# 1. National Mooring Network facility

## 1.1 Data summary

### Filename: ‘NationalMooringNetwork\_NRSandRMA\_Summary’

### Description: ‘Data summary’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | anmn\_data\_summary\_view |

Filters: None, all filters have already been applied.

Data sorting options: None, data are already sorted.

Data grouping options: Group by ‘subfacility’, sub-group by ‘site\_name\_code’.

Total: Calculate for each sub-facility the total number of sites, data categories, deployments, FV 00 and FV01 files, along with the temporal, latitudinal, longitudinal and depth range of those data. *Use the following view: ‘totals\_view’; filter by: ‘facility’ = ‘ANMN’.*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **AM** | **NRS** | **NSW** | **QLD & NA** | **SA** | **WA** | **TOTAL** |
| ***# sites (‘no\_projects’)*** |  |  |  |  |  |  |  |
| ***# data categories recorded (‘no\_instruments’)*** |  |  |  |  |  |  |  |
| ***# deployments (‘no\_deployments’)*** |  |  |  |  |  |  |  |
| ***# FV00 files (‘no\_data’)*** |  |  |  |  |  |  |  |
| ***# FV01 files (‘no\_data2’)*** |  |  |  |  |  |  |  |
| ***Temporal range (‘temporal\_range’)*** |  |  |  |  |  |  |  |
| ***Latitudinal range (‘lat\_range’)*** |  |  |  |  |  |  |  |
| ***Longitudinal range (‘lon\_range’)*** |  |  |  |  |  |  |  |

Footnote: **Headers:** Name of National Mooring Network sub-facility.  
**Sub-headers**: Moorings site name or code. **Data category:** Broad category for the set of parameters measured. ‘*Temperature*’ = temperature and pressure only; *‘CTD timeseries’* = conductivity (salinity), temperature and pressure (depth); *‘Biogeochemical timeseries’* = CTD plus chemical & biological parameters; ‘*Biogeochemical profiles*’ = same parameters as in ‘*Biogeochemical timeseries*’, but measured from a profiling instrument, deployed from a small boat (commonly referred to as a ‘*CTD cast’*); *‘Velocity’* = current profiles; ‘*Wave*’ = Wave parameters measured by some Acoustic Doppler Current Profiler (ADCP) instruments. 'CTD timeseries' and 'Biogeochemical timeseries' come from similar instruments that differ only in the inclusion of additional sensors. For some moorings, this has varied from one deployment to the next. In such cases the total time coverage of temperature and salinity is the combined coverage of these two categories. **‘# FV00’**: Total number of non-quality controlled datasets.  
**‘# FV01’**: Total number of quality controlled datasets.  
**‘Start’**: Earliest deployment start date (format: dd/mm/yyyy).  
**‘End’**: Latest deployment end date (format: dd/mm/yyyy).  
**‘# days of data’**: Number of days between the data recording start and end dates.  
**‘% coverage’:** Number of days with data as a percentage of the time coverage (*i.e.* % coverage = .  
**National Mooring Network**: http://imos.org.au/nationalmooringnetwork.html.  
**AM**: Acidification Moorings (<http://imos.org.au/acidificationmoorings.html>).  
**NRS**: National Reference Stations (<http://imos.org.au/nrs.html>).  
**NSW**: New South Wales Moorings (<http://imos.org.au/nswmoorings.html>).  
**QLD & NA**: Queensland and Northern Australia Moorings (<http://imos.org.au/qldnorthernausmoorings.html>).  
**SA**: Southern Australia Moorings (<http://imos.org.au/samoorings.html>).  
**WA**: Western Australia Moorings (<http://imos.org.au/wamoorings.html>).

### Template

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **data\_category** | **no\_deployments** | **no\_fv00** | **no\_fv01** | **earliest\_date** | **latest\_date** | **data\_coverage** | **percent\_coverage** |
| Data category | # deployments | # FV00 | # FV01 | Start | End | # days of data | % coverage |
| Headers = subfacility | | | | | | | |
| Sub-headers = site\_name\_code | | | | | | | |
|  |  |  |  |  |  |  |  |

## 1.2 Data report – New data on the portal (last month)

### Filename: ‘NationalMooringNetwork\_newData’

### Description: ‘New data on the portal (since DATE)’

Views to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **Views** | anmn\_all\_deployments\_view |

Filters: List all data for which ‘end\_date’ is less than one month ago.

Data sorting options: None, data are already sorted.

Data grouping options: Group by ‘subfacility’, sub-group by ‘site\_name\_code’.

Footnote: **Headers:** Name of National Mooring Network sub-facility.  
**Sub-headers**: Moorings site name or code. **Data category:** Broad category for the set of parameters measured. ‘*Temperature*’ = temperature and pressure only; *‘CTD timeseries’* = conductivity (salinity), temperature and pressure (depth); *‘Biogeochemical timeseries’* = CTD plus chemical & biological parameters; ‘*Biogeochemical profiles*’ = same parameters as in ‘*Biogeochemical timeseries*’, but measured from a profiling instrument, deployed from a small boat (commonly referred to as a ‘*CTD cast’*); *‘Velocity’* = current profiles; ‘*Wave*’ = Wave parameters measured by some Acoustic Doppler Current Profiler (ADCP) instruments. 'CTD timeseries' and 'Biogeochemical timeseries' come from similar instruments that differ only in the inclusion of additional sensors. For some moorings, this has varied from one deployment to the next. In such cases the total time coverage of temperature and salinity is the combined coverage of these two categories. **‘# FV00’**: Total number of non-quality controlled datasets.  
**‘# FV01’**: Total number of quality controlled datasets.  
**‘Start’**: Earliest deployment start date (format: dd/mm/yyyy).  
**‘End’**: Latest deployment end date (format: dd/mm/yyyy).  
**‘# days of data’**: Number of days between the data recording start and end dates.  
**‘% coverage’:** Number of days with data as a percentage of the time coverage (*i.e.* % coverage = .  
**National Mooring Network**: http://imos.org.au/nationalmooringnetwork.html.  
**AM**: Acidification Moorings (<http://imos.org.au/acidificationmoorings.html>).  
**NRS**: National Reference Stations (<http://imos.org.au/nrs.html>).  
**NSW**: New South Wales Moorings (<http://imos.org.au/nswmoorings.html>).  
**QLD & NA**: Queensland and Northern Australia Moorings (<http://imos.org.au/qldnorthernausmoorings.html>).  
**SA**: Southern Australia Moorings (<http://imos.org.au/samoorings.html>).  
**WA**: Western Australia Moorings (<http://imos.org.au/wamoorings.html>).

### Template

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **data\_category** | **deployment\_code** | **no\_fv00** | **no\_fv01** | **start\_date** | **end\_date** | **coverage\_duration** | **data\_coverage** |
| Data category | Deployment code | # FV00 | # FV01 | Start | End | Time coverage (days) | Data coverage |
| Headers = subfacility | | | | | | | |
| Sub-headers = site\_name\_code | | | | | | | |
|  |  |  |  |  |  |  |  |

# 2. National Mooring Network sub-facilities

## 2.1 Data report – all National Mooring Network – QLD & NA data available on the portal

### Filename: ‘A\_NationalMooringNetwork\_QLDandNA\_allData\_dataOnPortal’

### Description: ‘All data available on the portal – QLD & NA’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | anmn\_all\_deployments\_view |

Filters: List all data for which ‘subfacility’ = ‘QLD’.

Data sorting options: Sort data by ASCENDING ‘site\_code’, then by ASCENDING ‘data\_category’, and then by ASCENDING ‘deployment\_code’.

Data grouping options: Group by ‘site\_name\_code’, sub-group by ‘data\_category’.

Footnote: **Headers:** Moorings site name or code.  
**Sub-headers**: Broad category for the set of parameters measured. ‘*Temperature*’ = temperature and pressure only; *‘CTD timeseries’* = conductivity (salinity), temperature and pressure (depth); *‘Biogeochemical timeseries’* = CTD plus chemical & biological parameters; ‘*Biogeochemical profiles*’ = same parameters as in ‘*Biogeochemical timeseries*’, but measured from a profiling instrument, deployed from a small boat (commonly referred to as a ‘*CTD cast’*); *‘Velocity’* = current profiles; ‘*Wave*’ = Wave parameters measured by some Acoustic Doppler Current Profiler (ADCP) instruments. 'CTD timeseries' and 'Biogeochemical timeseries' come from similar instruments that differ only in the inclusion of additional sensors. For some moorings, this has varied from one deployment to the next. In such cases the total time coverage of temperature and salinity is the combined coverage of these two categories.  
**‘# FV00’**: Number of non-quality controlled datasets.  
**‘# FV01’**: Number of quality controlled datasets.  
**‘Start’**: Deployment start date (format: dd/mm/yyyy).  
**‘End’**: Deployment end date (format: dd/mm/yyyy).  
**‘Time coverage’**: Number of days between the deployment start and end dates.  
**‘# days of data’:** Number of days between the data recording start and end dates.  
**National Mooring Network**: http://imos.org.au/nationalmooringnetwork.html.  
**QLD & NA**: Queensland and Northern Australia Moorings (<http://imos.org.au/qldnorthernausmoorings.html>).

### Template

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **deployment\_code** | **no\_fv00** | **no\_fv01** | **start\_date** | **end\_date** | **coverage\_duration** | **data\_coverage** |
| Deployment code | # FV00 | # FV01 | Start | End | Time coverage (days) | # days of data |
| Headers = site\_name\_code | | | | | | |
| Sub-headers = data\_category | | | | | | |
|  |  |  |  |  |  |  |

## 2.2 Data report – all National Mooring Network – NSW data available on the portal

### Filename: ‘A\_NationalMooringNetwork\_NSW\_allData\_dataOnPortal’

### Description: ‘All data available on the portal – NSW’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | anmn\_all\_deployments\_view |

Filters: List all data for which ‘subfacility’ = ‘NSW’.

Data sorting options: Sort data by ASCENDING ‘site \_code’, then by ASCENDING ‘data\_category’, and then by ASCENDING ‘deployment\_code’.

Data grouping options: Group by ‘site\_name\_code’, sub-group by ‘data\_category’.

Footnote: **Headers:** Moorings site name or code.  
**Sub-headers**: Broad category for the set of parameters measured. ‘*Temperature*’ = temperature and pressure only; *‘CTD timeseries’* = conductivity (salinity), temperature and pressure (depth); *‘Biogeochemical timeseries’* = CTD plus chemical & biological parameters; ‘*Biogeochemical profiles*’ = same parameters as in ‘*Biogeochemical timeseries*’, but measured from a profiling instrument, deployed from a small boat (commonly referred to as a ‘*CTD cast’*); *‘Velocity’* = current profiles; ‘*Wave*’ = Wave parameters measured by some Acoustic Doppler Current Profiler (ADCP) instruments. 'CTD timeseries' and 'Biogeochemical timeseries' come from similar instruments that differ only in the inclusion of additional sensors. For some moorings, this has varied from one deployment to the next. In such cases the total time coverage of temperature and salinity is the combined coverage of these two categories.  
**‘# FV00’**: Number of non-quality controlled datasets.  
**‘# FV01’**: Number of quality controlled datasets.  
**‘Start’**: Deployment start date (format: dd/mm/yyyy).  
**‘End’**: Deployment end date (format: dd/mm/yyyy).  
**‘Time coverage’**: Number of days between the deployment start and end dates.  
**‘# days of data’:** Number of days between the data recording start and end dates.  
**National Mooring Network**: http://imos.org.au/nationalmooringnetwork.html.  
**NSW**: New South Wales Moorings (<http://imos.org.au/nswmoorings.html>).

### Template

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **deployment\_code** | **no\_fv00** | **no\_fv01** | **start\_date** | **end\_date** | **coverage\_duration** | **data\_coverage** |
| Deployment code | # FV00 | # FV01 | Start | End | Time coverage (days) | # days of data |
| Headers = site\_name\_code | | | | | | |
| Sub-headers = data\_category | | | | | | |
|  |  |  |  |  |  |  |

## 2.3 Data report – all National Mooring Network – SA data available on the portal

### Filename: ‘A\_NationalMooringNetwork\_SA\_allData\_dataOnPortal’

### Description: ‘All data available on the portal – SA’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | anmn\_all\_deployments\_view |

Filters: List all data for which ‘subfacility’ = ‘SA’.

Data sorting options: Sort data by ASCENDING ‘site\_code’, then by ASCENDING ‘data\_category’, and then by ASCENDING ‘deployment\_code’.

Data grouping options: Group by ‘site\_name\_code’, sub-group by ‘data\_category’.

Footnote: **Headers:** Moorings site name or code.  
**Sub-headers**: Broad category for the set of parameters measured. ‘*Temperature*’ = temperature and pressure only; *‘CTD timeseries’* = conductivity (salinity), temperature and pressure (depth); *‘Biogeochemical timeseries’* = CTD plus chemical & biological parameters; ‘*Biogeochemical profiles*’ = same parameters as in ‘*Biogeochemical timeseries*’, but measured from a profiling instrument, deployed from a small boat (commonly referred to as a ‘*CTD cast’*); *‘Velocity’* = current profiles; ‘*Wave*’ = Wave parameters measured by some Acoustic Doppler Current Profiler (ADCP) instruments. 'CTD timeseries' and 'Biogeochemical timeseries' come from similar instruments that differ only in the inclusion of additional sensors. For some moorings, this has varied from one deployment to the next. In such cases the total time coverage of temperature and salinity is the combined coverage of these two categories.  
**‘# FV00’**: Number of non-quality controlled datasets.  
**‘# FV01’**: Number of quality controlled datasets.  
**‘Start’**: Deployment start date (format: dd/mm/yyyy).  
**‘End’**: Deployment end date (format: dd/mm/yyyy).  
**‘Time coverage’**: Number of days between the deployment start and end dates.  
**‘# days of data’:** Number of days between the data recording start and end dates.  
**National Mooring Network**: http://imos.org.au/nationalmooringnetwork.html.  
**SA**: Southern Australia Moorings (<http://imos.org.au/samoorings.html>).

### Template

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **deployment\_code** | **no\_fv00** | **no\_fv01** | **start\_date** | **end\_date** | **coverage\_duration** | **data\_coverage** |
| Deployment code | # FV00 | # FV01 | Start | End | Time coverage (days) | # days of data |
| Headers = site\_name\_code | | | | | | |
| Sub-headers = data\_category | | | | | | |
|  |  |  |  |  |  |  |

## 2.4 Data report – all National Mooring Network – WA data available on the portal

### Filename: ‘A\_NationalMooringNetwork\_WA\_allData\_dataOnPortal’

### Description: ‘All data available on the portal – WA’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | anmn\_all\_deployments\_view |

Filters: List all data for which ‘subfacility’ = ‘WA’.

Data sorting options: Sort data by ASCENDING ‘site\_code’, then by ASCENDING ‘data\_category’, and then by ASCENDING ‘deployment\_code’.

Data grouping options: Group by ‘site\_name\_code’, sub-group by ‘data\_category’.

Footnote: **Headers:** Moorings site name or code.  
**Sub-headers**: Broad category for the set of parameters measured. ‘*Temperature*’ = temperature and pressure only; *‘CTD timeseries’* = conductivity (salinity), temperature and pressure (depth); *‘Biogeochemical timeseries’* = CTD plus chemical & biological parameters; ‘*Biogeochemical profiles*’ = same parameters as in ‘*Biogeochemical timeseries*’, but measured from a profiling instrument, deployed from a small boat (commonly referred to as a ‘*CTD cast’*); *‘Velocity’* = current profiles; ‘*Wave*’ = Wave parameters measured by some Acoustic Doppler Current Profiler (ADCP) instruments. 'CTD timeseries' and 'Biogeochemical timeseries' come from similar instruments that differ only in the inclusion of additional sensors. For some moorings, this has varied from one deployment to the next. In such cases the total time coverage of temperature and salinity is the combined coverage of these two categories.  
**‘# FV00’**: Number of non-quality controlled datasets.  
**‘# FV01’**: Number of quality controlled datasets.  
**‘Start’**: Deployment start date (format: dd/mm/yyyy).  
**‘End’**: Deployment end date (format: dd/mm/yyyy).  
**‘Time coverage’**: Number of days between the deployment start and end dates.  
**‘# days of data’:** Number of days between the data recording start and end dates.  
**National Mooring Network**: http://imos.org.au/nationalmooringnetwork.html.  
**WA**: Western Australia Moorings (<http://imos.org.au/wamoorings.html>).

### Template

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **deployment\_code** | **no\_fv00** | **no\_fv01** | **start\_date** | **end\_date** | **coverage\_duration** | **data\_coverage** |
| Deployment code | # FV00 | # FV01 | Start | End | Time coverage (days) | # days of data |
| Headers = site\_name\_code | | | | | | |
| Sub-headers = data\_category | | | | | | |
|  |  |  |  |  |  |  |

## 2.5 Data report – all National Mooring Network – NRS data available on the portal

### Filename: ‘A\_NationalMooringNetwork\_NRS\_allData\_dataOnPortal’

### Description: ‘All data available on the portal – NRS’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | anmn\_all\_deployments\_view |

Filters: List all data for which ‘subfacility’ = ‘NRS’.

Data sorting options: Sort data by ASCENDING ‘site\_code’, then by ASCENDING ‘data\_category’, and then by ASCENDING ‘deployment\_code’.

Data grouping options: Group by ‘site\_name\_code’, sub-group by ‘data\_category’.

Footnote: **Headers:** Moorings site name or code.  
**Sub-headers**: Broad category for the set of parameters measured. ‘*Temperature*’ = temperature and pressure only; *‘CTD timeseries’* = conductivity (salinity), temperature and pressure (depth); *‘Biogeochemical timeseries’* = CTD plus chemical & biological parameters; ‘*Biogeochemical profiles*’ = same parameters as in ‘*Biogeochemical timeseries*’, but measured from a profiling instrument, deployed from a small boat (commonly referred to as a ‘*CTD cast’*); *‘Velocity’* = current profiles; ‘*Wave*’ = Wave parameters measured by some Acoustic Doppler Current Profiler (ADCP) instruments. 'CTD timeseries' and 'Biogeochemical timeseries' come from similar instruments that differ only in the inclusion of additional sensors. For some moorings, this has varied from one deployment to the next. In such cases the total time coverage of temperature and salinity is the combined coverage of these two categories.  
**‘# FV00’**: Number of non-quality controlled datasets.  
**‘# FV01’**: Number of quality controlled datasets.  
**‘Start’**: Deployment start date (format: dd/mm/yyyy).  
**‘End’**: Deployment end date (format: dd/mm/yyyy).  
**‘Time coverage’**: Number of days between the deployment start and end dates.  
**‘# days of data’:** Number of days between the data recording start and end dates.  
**National Mooring Network**: http://imos.org.au/nationalmooringnetwork.html.  
**NRS**: National Reference Stations (<http://imos.org.au/nrs.html>).

### Template

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **deployment\_code** | **no\_fv00** | **no\_fv01** | **start\_date** | **end\_date** | **coverage\_duration** | **data\_coverage** |
| Deployment code | # FV00 | # FV01 | Start | End | Time coverage (days) | # days of data |
| Headers = site\_name\_code | | | | | | |
| Sub-headers = data\_category | | | | | | |
|  |  |  |  |  |  |  |

## 2.6 Data report – all National Mooring Network – Acidification Moorings data available on the portal

### Filename: ‘A\_NationalMooringNetwork\_AcidificationMoorings\_allData\_dataOnPortal’

### Description: ‘All data available on the portal – Acidification Moorings’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | anmn\_all\_deployments\_view |

Filters: List all data for which ‘subfacility’ = ‘AM’.

Data sorting options: Sort data by ASCENDING ‘site\_code’, then by ASCENDING ‘data\_category’, and then by ASCENDING ‘deployment\_code’.

Data grouping options: Group by ‘site\_name\_code’, sub-group by ‘data\_category’.

Footnote: **Headers:** Moorings site name or code.  
**Sub-headers**: Broad category for the set of parameters measured. ‘*Temperature*’ = temperature and pressure only; *‘CTD timeseries’* = conductivity (salinity), temperature and pressure (depth); *‘Biogeochemical timeseries’* = CTD plus chemical & biological parameters; ‘*Biogeochemical profiles*’ = same parameters as in ‘*Biogeochemical timeseries*’, but measured from a profiling instrument, deployed from a small boat (commonly referred to as a ‘*CTD cast’*); *‘Velocity’* = current profiles; ‘*Wave*’ = Wave parameters measured by some Acoustic Doppler Current Profiler (ADCP) instruments. 'CTD timeseries' and 'Biogeochemical timeseries' come from similar instruments that differ only in the inclusion of additional sensors. For some moorings, this has varied from one deployment to the next. In such cases the total time coverage of temperature and salinity is the combined coverage of these two categories.  
**‘# FV00’**: Number of non-quality controlled datasets.  
**‘# FV01’**: Number of quality controlled datasets.  
**‘Start’**: Deployment start date (format: dd/mm/yyyy).  
**‘End’**: Deployment end date (format: dd/mm/yyyy).  
**‘Time coverage’**: Number of days between the deployment start and end dates.  
**‘# days of data’:** Number of days between the data recording start and end dates.  
**National Mooring Network**: http://imos.org.au/nationalmooringnetwork.html.  
**AM**: Acidification Moorings (<http://imos.org.au/acidificationmoorings.html>).

### Template

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **deployment\_code** | **no\_fv00** | **no\_fv01** | **start\_date** | **end\_date** | **coverage\_duration** | **data\_coverage** |
| Deployment code | # FV00 | # FV01 | Start | End | Time coverage (days) | # days of data |
| Headers = site\_name\_code | | | | | | |
| Sub-headers = data\_category | | | | | | |
|  |  |  |  |  |  |  |

# 3. National Mooring Network Passive Acoustic Observatories

## 3.1 Data summary

### Filename: ‘NationalMooringNetwork\_PassiveAcoustic\_Summary’

### Description: ‘Data summary’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | anmn\_acoustics\_data\_summary\_view |

Filters: None, all filters have already been applied.

Data sorting options: None, data are already sorted.

Data grouping options: Group by ‘site\_name’.

Total: Calculate the total number of sites, loggers deployed, deployments, loggers with good data, number of datasets on the Acoustic Viewer, along with the temporal range of those data. *Use the following view: ‘totals\_view’; filter by: ‘facility’ = ‘ANMN’, ‘subfacility’ = ‘PA’.*

***Total number of sites (‘no\_projects’): XX  
Total number of deployment campaigns (‘no\_deployments’): XX  
Total number of loggers deployed (‘no\_instruments’): XX  
Total number of loggers with good data (‘no\_data’): XX  
Total number of datasets on the Acoustic Viewer (‘no\_data2’): XX  
Temporal range (‘temporal\_range’): XX***

Footnote: **Headers:** Names of acoustic observatories.  
**# loggers**: Total number of loggers deployed.  
**# loggers with good data**: Total number of loggers that successfully obtained 6kHz recordings.  
**# loggers with clock sync data**: Number of loggers that obtained 22kHz recordings (used for synchronising clocks between loggers). **# sets on Acoustic Viewer**: Total number of datasets accessible via the IMOS Acoustic Data Viewer.  
**Start**: First deployment start date (format: dd/mm/yyyy).  
**End**: Last deployment end date (format: dd/mm/yyyy).  
**# days of data**: Number of days between the first deployment start date and the last deployment end date.  
**National Mooring Network**: http://imos.org.au/nationalmooringnetwork.html.  
**PAO**: Passive Acoustic Observatories (<http://imos.org.au/acousticobservatories.html>).  
**IMOS Acoustic Data Viewer**: <https://acoustic.aodn.org.au/acoustic/>.

### Template

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **deployment\_year** | **no\_loggers** | **no\_good\_data** | **no\_good\_22** | **no\_on\_viewer** | **earliest\_date** | **latest\_date** | **coverage\_duration** |
| Deployment year | # loggers | # loggers with good data | # loggers with clock sync data | # sets on Acoustic Viewer | Start | End | # days of data |
| Headers = site\_name | | | | | | | |
|  |  |  |  |  |  |  |  |

## 3.2 Data report – all National Mooring Network – Passive Acoustic data available on the portal

### Filename: ‘A\_NationalMooringNetwork\_PassiveAcoustic\_allData\_dataOnPortal’

### Description: ‘All data available on the portal’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | anmn\_acoustics\_all\_deployments\_view |

Filters: None, all filters have already been applied.

Data sorting options: None, data are already sorted.

Data grouping options: Group by ‘site\_name’, sub-group by ‘deployment\_year’.

Footnote: **Headers:** Names of acoustic observatories.  
**Sub-headers**: Deployment year.  
**Good data**: Did the logger obtain useful recordings (at 6kHz sampling rate)?   
**Good clock sync data**: Did the logger obtain useful 22kHz recordings? (used for synchronising clocks between loggers)?  
**Data on Acoustic Viewer**: Is the dataset accessible via the IMOS Acoustic Data Viewer?  
**Start**: Deployment start date (format: dd/mm/yyyy).  
**End**: Deployment end date (format: dd/mm/yyyy).  
**# days of data**: Number of days between the deployment start end dates.  
**National Mooring Network**: http://imos.org.au/nationalmooringnetwork.html.  
**PAO**: Passive Acoustic Observatories (<http://imos.org.au/acousticobservatories.html>).  
**IMOS Acoustic Data Viewer**: <https://acoustic.aodn.org.au/acoustic/>.

### Template

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **logger\_id** | **good\_data** | **good\_22** | **on\_viewer** | **start\_date** | **end\_date** | **coverage\_duration** |
| Logger ID | Good data | Good clock sync data | Data on Acoustic Viewer | Start | End | # days of data |
| Headers = site\_name | | | | | | |
| Sub-headers = deployment\_year | | | | | | |
|  |  |  |  |  |  |  |

NOTE: If possible, display all Boolean False values as blank cells, and True values as “Y” or “Yes”.

## 3.2 Data report – New data on the portal (last month)

### Filename: ‘B\_NationalMooringNetwork\_PassiveAcoustic\_newData’

### Description: ‘New data on the portal (since DATE)’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | anmn\_acoustics\_all\_deployments\_view |

Filters: List all data for which ‘end\_date’ is less than one month.

Data sorting options: None, data are already sorted.

Data grouping options: Group by ‘site\_name’, sub-group by ‘deployment\_year’.

Footnote: **Headers:** Names of acoustic observatories.  
**Sub-headers**: Deployment year.  
**Good data**: Did the logger obtain useful recordings (at 6kHz sampling rate)?   
**Good clock sync data**: Did the logger obtain useful 22kHz recordings? (used for synchronising clocks between loggers)?  
**Data on Acoustic Viewer**: Is the dataset accessible via the IMOS Acoustic Data Viewer?  
**Start**: Deployment start date (format: dd/mm/yyyy).  
**End**: Deployment end date (format: dd/mm/yyyy).  
**# days of data**: Number of days between the deployment start end dates.  
**National Mooring Network**: http://imos.org.au/nationalmooringnetwork.html.  
**PAO**: Passive Acoustic Observatories (<http://imos.org.au/acousticobservatories.html>).  
**IMOS Acoustic Data Viewer**: <https://acoustic.aodn.org.au/acoustic/>.

### Template

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **logger\_id** | **good\_data** | **good\_22** | **on\_viewer** | **start\_date** | **end\_date** | **coverage\_duration** |
| Logger ID | Good data | Good clock sync data | Data on Acoustic Viewer | Start | End | # days of data |
| Headers = site\_name | | | | | | |
| Sub-headers = deployment\_year | | | | | | |
|  |  |  |  |  |  |  |

NOTE: If possible, display all Boolean False values as blank cells, and True values as “Y” or “Yes”.

# 4. National Mooring Network NRS Biogeochemical Sampling

## 4.1 Data summary

### Filename: ‘NationalMooringNetwork\_Biogeochemical\_Summary’

### Description: ‘Data summary’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | anmn\_nrs\_bgc\_data\_summary\_view |

Filters: None, all filters have already been applied.

Data sorting options: None, data are already sorted.

Data grouping options: Group by ‘station\_name’.

Total: Calculate the total number of sampling trips with chemistry data, pigment data, phytoplankton data, zooplankton data, picoplankton data, plankton biomass data, and suspended matter data. *Use the following view: ‘totals\_view’; filter by: ‘facility’ = ‘ANMN’, ‘subfacility’ = ‘BGC’.*

***Total number of sampling trips with chemistry data (‘no\_projects’): XX  
Total number of sampling trips with pigment data (‘no\_deployments’): XX  
Total number of sampling trips with phytoplankton data ( ‘no\_instruments’): XX  
Total number of sampling trips with zooplankton data ( ‘no\_deployments’): XX  
Total number of sampling trips with picoplankton data ( ‘no\_data’): XX  
Total number of sampling trips with plankton biomass data ( ‘no\_ data2’): XX  
Total number of sampling trips with suspended matter data ( ‘no\_ data3’): XX   
Temporal range (‘temporal\_range’): XX***

Footnote: **Headers:** Moorings site name.  
**Data product**: Type of data product.  
**Start**: Date of the first sampling trip (format: dd/mm/yyyy).  
**End**: Date of the last sampling trip (format: dd/mm/yyyy).   
**# trips**: Total number of sampling trips with all data products collected.  
**# trips with all data**: Number of sampling trips for which valid data was obtained for all samples collected.  
**# trips with some data**: Number of sampling trips for which valid data was obtained for some, but not all, of the samples collected.  
**# trips with no data**: Number of sampling trips for which samples were obtained but no valid data has been recorded.  
**% good samples**: Overall percentage of samples for which valid data was obtained.  
**National Mooring Network**: http://imos.org.au/nationalmooringnetwork.html.  
**Biogeochemical Sampling**: <http://imos.org.au/moorings_documentation.html>.  
**National Reference Stations**: <http://imos.org.au/nrs.html>.

### Template

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **product** | **first\_sample** | **last\_sample** | **ntrip\_total** | **ntrip\_full\_data** | **ntrip\_partial\_data** | **ntrip\_no\_data** | **percent\_ok** |
| Data product | Start | End | # trips | # trips with all data | # trips with some data | # trips with no data | % good samples |
| Headers = station\_name’ | | | | | | | |
|  |  |  |  |  |  |  |  |

## 4.2 Data report – all National Mooring Network – NRS BGC data available on the portal

### Filename: ‘A\_NationalMooringNetwork\_Biogeochemical\_allData\_dataOnPortal’

### Description: ‘All data available on the portal’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | anmn\_nrs\_bgc\_all\_deployments\_view |

Filters: None, all filters have already been applied.

Data sorting options: None, data are already sorted’.

Data grouping options: Group by ‘station\_name’.

Footnote: **Headers:**  Moorings site name.  
**Chemistry**: Lab measurements of salinity, nutrients, total CO2 and total alkalinity from water samples.   
**Pigments**: HPLC measurements of phytoplankton pigments in water samples.  
**Picoplankton**: Picoplankton concentration.  
**Biomass**: Plankton biomass.  
**Phytoplankton**: Phytoplankton biomass and abundance.  
**Zooplankton**: Zooplankton biomass and abundance.  
**Suspended matter:** Lab measurements of organic and inorganic suspended matter in water samples.   
**National Mooring Network**: http://imos.org.au/nationalmooringnetwork.html.  
**Biogeochemical Sampling**: <http://imos.org.au/moorings_documentation.html>.  
**National Reference Stations**: <http://imos.org.au/nrs.html>.

Add also the following note: ‘For each data product, the status is reported as: # samples with data/ total # samples on record. If the value is blank, there were either no samples taken on that date, or data have not been recorded.’

### Template

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **sample\_date** | **parameter\_status\_chemistry** | **parameter\_status\_phypig** | **parameter\_status\_picoplankton** | **parameter\_status\_plankton\_biomass** | **parameter\_status\_phytoplankton** | **parameter\_status\_zooplankton** | **parameter\_status\_suspended\_matter** |
| Sampling date | Chemistry | Pigments | Picoplankton | Biomass | Phytoplankton | Zooplankton | Suspended matter |
| Headers = station\_name | | | | | | | |
|  |  |  |  |  |  |  |  |

## 4.3 Data report – New data on the portal (last month)

### Filename: ‘B\_NationalMooringNetwork\_BioGeoChemical\_newData’

### Description: ‘New data on the portal (since DATE)’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | anmn\_nrs\_bgc\_all\_deployments\_view |

Filters: List all data for which ‘sample\_date’ is less than one month.

Data sorting options: None, data are already sorted’.

Data grouping options: Group by ‘station\_name’.

Footnote: **Headers:**  Moorings site name.  
**Chemistry**: Lab measurements of salinity, nutrients, total CO2 and total alkalinity from water samples.   
**Pigments**: HPLC measurements of phytoplankton pigments in water samples.  
**Picoplankton**: Picoplankton concentration.  
**Biomass**: Plankton biomass.  
**Phytoplankton**: Phytoplankton biomass and abundance.  
**Zooplankton**: Zooplankton biomass and abundance.  
**Suspended matter:** Lab measurements of organic and inorganic suspended matter in water samples.   
**National Mooring Network**: http://imos.org.au/nationalmooringnetwork.html.  
**Biogeochemical Sampling**: <http://imos.org.au/moorings_documentation.html>.  
**National Reference Stations**: <http://imos.org.au/nrs.html>.

Add also the following note: ‘For each data product, the status is reported as: # samples with data/ total # samples on record. If the value is blank, there were either no samples taken on that date, or data have not been recorded.’

### Template

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **sample\_date** | **parameter\_status\_chemistry** | **parameter\_status\_phypig** | **parameter\_status\_picoplankton** | **parameter\_status\_plankton\_biomass** | **parameter\_status\_phytoplankton** | **parameter\_status\_zooplankton** | **parameter\_status\_suspended\_matter** |
| Sampling date | Chemistry | Pigments | Picoplankton | Biomass | Phytoplankton | Zooplankton | Suspended matter |
| Headers = station\_name | | | | | | | |
|  |  |  |  |  |  |  |  |

# 5. National Mooring Network Real-Time

## 5.1 Data summary

### Filename: ‘NationalMooringNetwork\_Real-Time\_Summary’

### Description: ‘Data summary’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | anmn\_rt\_data\_summary\_view |

Filters: None, all filters have already been applied.

Data sorting options: None, data are already sorted by ASCENDING ‘site\_name’.

Data grouping options: No grouping required.

Total: Calculate the total number of sites, quality controlled datasets, along with the temporal and depth range. *Use the following view: ‘totals\_view’; filter by: ‘facility’ = ‘ANMN’, ‘subfacility’ = ‘NRS - Real-Time’.*

***Total number of sites (‘no\_projects’): XX  
Total number of sensors (‘no\_instruments’): XX  
Total number of quality controlled datasets (‘no\_data’): XX  
Total number of non quality controlled datasets (‘no\_data\_2’): XX  
Temporal range (‘temporal\_range’): XX  
Depth range (‘depth\_range’): XX***

Footnote: **Site name:** Name of mooring site.  
**# sensors**: Number of instruments/sensors that have been deployed at each site.  
**# QC’d data**: Number of quality controlled datasets for each site.  
**# non QC’d data**: Number of non quality controlled datasets for each site.  
**Start**: Data recording earliest date (format: dd/mm/yyyy).  
**End**: Data recording latest date (format: dd/mm/yyyy).  
**# days of data (range)**: Number of days between the data recording start and end dates (minimum – maximum).  
**National Mooring Network**: http://imos.org.au/nationalmooringnetwork.html.  
**National Reference Stations**: <http://imos.org.au/nrs.html>.

### Template

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **site\_name** | **nb\_channels** | **no\_qc\_data** | **no\_non\_qc\_data** | **earliest\_date** | **latest\_date** | **no\_data\_days** |
| Site name | # sensors | # QC’d data | # non QC’d data | Start | End | # days of data (range) |
|  |  |  |  |  |  |  |

## 5.2 Data report – all data on the portal

### Filename: ‘A\_ NationalMooringNetwork\_Real-Time\_allData\_dataOnPortal’

### Description: ‘All data available on the portal’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | anmn\_rt\_all\_deployments\_view |

Filters: None, all filters have already been applied.

Data sorting options: None, data are already sorted.

Data grouping options: Group by ‘site\_name’, sub-group by ‘channel\_id’.

Footnote: **Headers:** Mooring site name.  
**Sub-headers:** Data category (when known) and instrument/sensor name.   
**QC’d data**: Quality controlled data available for the parameter recorded?  
**Start**: Data recording start date (format: dd/mm/yyyy).  
**End**: Data recording end date (format: dd/mm/yyyy).  
**# days of data**: Number of days between the data recording start and end dates.  
**National Mooring Network**: http://imos.org.au/nationalmooringnetwork.html.  
**National Reference Stations**: <http://imos.org.au/nrs.html>.

### Template

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **sensor\_depth** | **qaqc\_data** | **start\_date** | **end\_date** | **coverage\_duration** |
| Sensor depth | QC’d data | Start | End | # days of data |
| Headers = ‘site\_name’ | | | | |
| Sub-headers = ‘channel\_id’ | | | | |
|  |  |  |  |  |

## 5.3 Data report – New data on the portal (last month)

### Filename: ‘B\_ NationalMooringNetwork\_Real-Time\_newData’

### Description: ‘New data on the portal (since DATE)’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | anmn\_rt\_all\_deployments\_view |

Filters: List all data for which ‘end\_date’ is less than one month.

Data sorting options: None, data are already sorted.

Data grouping options: Group by ‘site\_name’, sub-group by ‘channel\_id’.

Footnote: **Headers:** Mooring site name.  
**Sub-headers:** Data category (when known) and instrument/sensor name.   
**QC’d data**: Quality controlled data available for the parameter recorded?  
**Start**: Data recording start date (format: dd/mm/yyyy).  
**End**: Data recording end date (format: dd/mm/yyyy).  
**# days of data**: Number of days between the data recording start and end dates.  
**National Mooring Network**: http://imos.org.au/nationalmooringnetwork.html.  
**National Reference Stations**: <http://imos.org.au/nrs.html>.

### Template

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **sensor\_depth** | **qaqc\_data** | **start\_date** | **end\_date** | **coverage\_duration** |
| Sensor depth | QC’d data | Start | End | # days of data |
| Headers = ‘site\_name’ | | | | |
| Sub-headers = ‘channel\_id’ | | | | |
|  |  |  |  |  |