**ACORN - Report templates**

This document contains information to produce reports for the ACORN facility.

Number of data reports: 3.

# 1. ACORN

## 1.1 Data summary

### Filename: ‘ACORN\_Summary’

### Description: ‘Data summary’

View to use:

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

Filters: None, all filters have already been applied.

Data sorting options: None, data are already sorted.

Data grouping options: Group by ‘data\_type’.

Total: Calculate the total number of radar sites, along with the number of files, the time coverage, and the temporal range. *Use the following view: ‘totals\_view’; filter by: ‘facility’ = ‘ACORN’.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Date type (‘type’)*** | ***Total number of radar sites (‘no\_projects’)*** | ***Total number of files (‘no\_data’)*** | ***Time coverage, in years (‘no\_data2’)*** | ***Temporal range (‘temporal\_range’)*** |
| ***Radials – non QC*** |  |  |  |  |
| ***Radials – QC*** |  |  |  |  |
| ***Gridded product – non QC*** |  |  |  |  |
| ***Gridded product – QC*** |  |  |  |  |
| ***TOTAL*** |  |  |  |  |

Footnote: **Headers**:Type of data file (*i.e.* radials *vs.* gridded products, QC *vs.* non-QC). **‘Start’**: Transmission start date (format: dd/mm/yyyy).  
**‘End’**: Date at which the last file was received (format: dd/mm/yyyy).  
**‘Time coverage’**: Number of years between the transmission start date and the date at which the last file was received.  
**‘% coverage’**: Number of days with data as a percentage of the time coverage (*i.e.* % coverage = ).  
**ACORN:** Australian Coastal Ocean Radar Network (<http://imos.org.au/acorn.html>).

### Template

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **site** | **total\_no\_files** | **time\_start** | **time\_end** | **coverage\_duration** | **percentage\_coverage** |
| Site name | # files | Start | End | Time coverage (years) | % coverage |
| Headers: ‘data\_type’ | | | | | |
|  |  |  |  |  |  |

## 1.2 Data report – all data on the portal

### Filename: ‘A\_ACORN\_allData\_dataOnPortal’

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

View to use:

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

Filters: None, all filters have already been applied.

Data sorting options: None, data are already sorted.

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

Footnote: **Headers**:Type of data file (*i.e.* radials *vs.* gridded products, QC *vs.* non-QC). **Sub-headers**: Location of radar sites. **‘Start’**: Transmission start date for each month (format: dd/mm/yyyy).  
**‘End’**: Date at which the last file was received for each month (format: dd/mm/yyyy).  
**‘Time coverage’**: Number of days between the transmission start date and the date at which the last file was received for each month.  
**‘% coverage’**: Number of days with data as a percentage of the time coverage (*i.e.* % coverage = ).  
**ACORN:** Australian Coastal Ocean Radar Network (<http://imos.org.au/acorn.html>).

### Template

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **month\_year** | **no\_files** | **time\_start** | **time\_end** | **coverage\_duration** | **monthly\_coverage** |
| Date | # files | Start | End | Time coverage (days) | % coverage |
| Headers: ‘data\_type’ | | | | | |
| Sub-headers: ‘site’ | | | | | |
|  |  |  |  |  |  |

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

### Filename: ‘B\_ACORN\_newData’

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

View to use:

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

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

Data sorting options: None, data are already sorted.

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

Footnote: **Headers**:Type of data file (*i.e.* radials *vs.* gridded products, QC *vs.* non-QC). **Sub-headers**: Location of radar sites. **‘Start’**: Transmission start date for each month (format: dd/mm/yyyy).  
**‘End’**: Date at which the last file was received for each month (format: dd/mm/yyyy).  
**‘Time coverage’**: Number of days between the transmission start date and the date at which the last file was received for each month.  
**‘% coverage’**: Number of days with data as a percentage of the time coverage (*i.e.* % coverage = ).  
**ACORN:** Australian Coastal Ocean Radar Network (<http://imos.org.au/acorn.html>).

### Template



|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **month\_year** | | | **no\_files** | | | **time\_start** | | **time\_end** | | | **coverage\_duration** | | **monthly\_coverage** |
| Date | | | # files | | | Start | | End | | | Time coverage (days) | | % coverage |
| Headers: ‘data\_type’ | | | | | | | | | | | | | |
| Sub-headers: ‘site’ | | | | | | | | | | | | | |
|  | | |  | | |  | |  | | |  | |  |

## 1.4 Data report – All radials data

### Filename: ‘C\_ACORN\_allRadialsData’

### Description: ‘Radials data’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | acorn\_radials\_stations\_view |

Filters: None, all filters have already been applied.

Data sorting options: None, data are already sorted.

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

Footnote: **Headers**:Type of data file (*i.e.* radials *vs.* gridded products, QC *vs.* non-QC). **Sub-headers**: Location of radar sites. **‘Start’**: Transmission start date for each month (format: dd/mm/yyyy).  
**‘End’**: Date at which the last file was received for each month (format: dd/mm/yyyy).  
**‘Time coverage’**: Number of days between the transmission start date and the date at which the last file was received for each month.  
**‘% coverage’**: Number of days with data as a percentage of the time coverage (*i.e.* % coverage = ).  
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### Template

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **platform\_code** | **month\_year** | **no\_files** | **time\_start** | **time\_end** | **coverage\_duration** | **monthly\_coverage** |
| Station code | Date | # files | Start | End | Time coverage (days) | % coverage |
| Headers: ‘data\_type’ | | | | | | |
| Sub-headers: ‘site’ | | | | | | |
|  |  |  |  |  |  |  |