**ACORN - Report templates**

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

Number of data reports: 6.

# 1. ACORN

## 1.1 Data summary – Hourly vectors

### Filename: ‘ACORN\_HourlyVectors\_Summary’

### Description: ‘Data summary – Hourly vectors’

Table to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **Table** | acorn\_hourly\_vectors\_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’ and where substring(type,'Hourly vectors') = 'Hourly vectors'.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Date type (‘type’)*** | ***Total number of radar sites (‘no\_projects’)*** | ***Total number of files (‘no\_data’)*** | ***Number of years of data (‘no\_data2’)*** | ***Temporal range (‘temporal\_range’)*** |
| ***Hourly vectors – non QC*** |  |  |  |  |
| ***Hourly vectors – QC*** |  |  |  |  |
| ***TOTAL*** |  |  |  |  |

Footnote: **Headers**:Type of data file (*i.e.* 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).  
**# years of data**: Number of years between the transmission start date/time and the date/time at which the last file was received.  
**‘% coverage’**: Total number of files as a percentage of the total number of files expected (*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 | # years of data | % coverage |
| Headers: ‘data\_type’ | | | | | |
|  |  |  |  |  |  |

## 1.2 Data summary – Radials

### Filename: ‘ACORN\_Radials\_Summary’

### Description: ‘Data summary – Radials’

Table to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **Table** | acorn\_radials\_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, radar stations, along with the number of files, the time coverage, and the temporal range. *Use the following view: ‘totals\_view’; filter by: ‘facility’ = ‘ACORN’ and where substring(type,'Radials') = 'Radials'.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Date type (‘type’)*** | ***Total number of radar sites (‘no\_projects’)*** | ***Total number of radar stations (‘no\_platforms’)*** | ***Total number of files (‘no\_data’)*** | ***Number of years of data (‘no\_data2’)*** | ***Temporal range (‘temporal\_range’)*** |
| ***Radials – non QC*** |  |  |  |  |  |
| ***Radials – QC*** |  |  |  |  |  |
| ***TOTAL*** |  |  |  |  |  |

Footnote: **Headers**:Type of data file (*i.e.* QC *vs.* non-QC).  
**Sub-headers**: Location of radar sites. **Start**: Transmission start date (format: dd/mm/yyyy).  
**End**: Date at which the last file was received (format: dd/mm/yyyy).  
**# years of data**: Number of years between the transmission start date/time and the date/time at which the last file was received.  
**‘% coverage’**: Total number of files as a percentage of the total number of files expected (*i.e.* % coverage = ).  
**ACORN:** Australian Coastal Ocean Radar Network (<http://imos.org.au/acorn.html>).

### Template

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **platform\_code** | **total\_no\_files** | **time\_start** | **time\_end** | **coverage\_duration** | **percentage\_coverage** |
| Station code | # files | Start | End | # years of data | % coverage |
| Headers: ‘data\_type’ | | | | | |
| Sub-headers: ‘site’ | | | | | |
|  |  |  |  |  |  |

## 1.3 Data report – all hourly vector data on the portal

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

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

Table to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **Table** | acorn\_hourly\_vectors\_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.* 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).  
**# days of data**: Number of days between the transmission start date/time and the date/time at which the last file was received for each month.  
**‘% coverage’**: Number of files as a percentage of the total number of files expected (*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 | # days of data | % coverage |
| Headers: ‘data\_type’ | | | | | |
| Sub-headers: ‘site’ | | | | | |
|  |  |  |  |  |  |

## 1.4 Data report – All radial data on the portal

### Filename: ‘B\_ACORN\_allRadialData\_dataOnPortal’

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

Table to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **Table** | acorn\_radials\_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.* 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).  
**# days of data**: Number of days between the transmission start date/time and the date/time at which the last file was received for each month.  
**‘% coverage’**: Number of files as a percentage of the total number of files expected (*i.e.* % coverage = ).  
**ACORN:** Australian Coastal Ocean Radar Network (<http://imos.org.au/acorn.html>).

### Template

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

## 1.5 Data report – New hourly vector data on the portal (last month)

### Filename: ‘C\_ACORN\_newHourlyVectorData\_dataOnPortal’

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

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **Table** | acorn\_hourly\_vectors\_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.* 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).  
**# days of data**: Number of days between the transmission start date/time and the date/time at which the last file was received for each month.  
**‘% coverage’**: Number of files as a percentage of the total number of files expected (*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 | # days of data | % coverage |
| Headers: ‘data\_type’ | | | | | |
| Sub-headers: ‘site’ | | | | | |
|  |  |  |  |  |  |

## 1.6 Data report – All radial data on the portal

### Filename: ‘D\_ACORN\_newRadialData\_dataOnPortal’

### Description: ‘New radial data available on the portal’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **Table** | acorn\_radials\_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.* 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).  
**# days of data**: Number of days between the transmission start date/time and the date/time at which the last file was received for each month.  
**‘% coverage’**: Number of files as a percentage of the total number of files expected (*i.e.* % coverage = ).  
**ACORN:** Australian Coastal Ocean Radar Network (<http://imos.org.au/acorn.html>).

### Template

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