**Satellite Remote Sensing - Report templates**

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

Number of data reports: 3.

# 1. Satellite Remote Sensing

## 1.1 Data summary

### Filename: ‘SatelliteRemoteSensing\_Summary’

### Description: ‘Data summary’

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | srs\_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’.

Total: Calculate the total number of site/parameter, deployments/products, sensors/vessels and the temporal range of those data. *Use the following view: ‘totals\_view’; filter by: ‘facility’ = ‘SRS’.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ***Altimetry*** | ***Bio-Optical*** | ***Gridded products*** | ***Ocean colour calibration*** |
| ***Total number of sites/parameters (‘no\_platforms’)*** |  |  |  |  |
| ***Total number of deployments/products (‘no\_deployments’)*** |  |  |  |  |
| ***Total number of sensors/vessels (‘no\_instruments’)*** |  |  |  |  |
| ***Total number of measurements (‘no\_data’)*** |  |  |  |  |
| ***Total number of gridded images (‘no\_data2’)*** |  |  |  |  |
| ***Temporal range (‘temporal\_range’)*** |  |  |  |  |

Footnote: **Headers:** Name of SRS sub-facility.  
**Site/Parameter**: Calibration and validation sites and locations (SRS – Altimetry), parameter measured (SRS – Bio-optical and Gridded products), or vessel/station name (SRS – Ocean colour calibration).  
**# sensors/vessels**: Number of sensors used at each calibration and validation site (SRS – Altimetry) or number of distinct vessels that have measured each parameter (SRS – Bio-optical).  
**# deployments/products**: Number of distinct deployment IDs (SRS – Altimetry, Bio-optical, and Ocean colour calibration) or number of distinct data products for each parameter (SRS – Gridded products).  
**# measurements**: Number of measurements collected or number of gridded images (SRS – Gridded products).  
**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).  
**Satellite Remote Sensing**: <http://imos.org.au/srs.html>.  
**SRS – Altimetry:** <http://imos.org.au/srscalval.html>.  
**SRS – Bio-optical database**: Bio-optical database of Australian waters (<http://imos.org.au/bwg.html>).  
**SRS – Gridded products**: <http://imos.org.au/sstproducts.html>.  
**SRS – Ocean Colour Calibration**: Lucinda Jetty Coastal Observatory. <http://imos.org.au/oceancolour.html>.

### Template

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **parameter\_site** | | **no\_sensors** | **no\_deployments** | **no\_measurements** | **earliest\_date** | **latest\_date** | **no\_data\_days** |
| Site/Parameter | | # sensors/vessels | # deployments/products | # measurements | Start | End | # days of data (range) |
|  | Headers = ‘subfacility’ | | | | | | |
|  | |  |  |  |  |  |  |

## 1.2 Data report – all data on the portal

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

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

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | srs\_all\_deployments\_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 ‘parameter\_site’.

Footnote: **Headers:** Sub-facility.  
**Sub-headers**: Calibration and validation sites and locations (SRS – Altimetry), parameter measured (SRS – Bio-optical and Gridded products), or vessel/station name (SRS – Ocean colour calibration).  
**# measurements**: Number of measurements collected or number of gridded images (SRS – Gridded products).  
**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.  
**Satellite Remote Sensing**: <http://imos.org.au/srs.html>.  
**SRS – Altimetry:** <http://imos.org.au/srscalval.html>.  
**SRS – Bio-optical database**: Bio-optical database of Australian waters (<http://imos.org.au/bwg.html>).  
**SRS – Gridded products**: <http://imos.org.au/sstproducts.html>.  
**SRS – Ocean Colour Calibration**: Lucinda Jetty Coastal Observatory. <http://imos.org.au/oceancolour.html>.

### Template

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **deployment\_code** | **sensor\_name** | **no\_measurements** | **start\_date** | **end\_date** | **coverage\_duration** |
| Deployment ID | Sensor/Vessel name | # measurements | Start | End | # days of data |
| Headers = ‘subfacility’ | | | | | |
| Sub-headers = ‘parameter\_site’ | | | | | |
|  |  |  |  |  |  |

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

### Filename: ‘B\_SatelliteRemoteSensing\_newData’

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

View to use:

|  |  |
| --- | --- |
| **Server** | dbprod.emii.org.au |
| **Database** | harvest |
| **Schema** | reporting |
| **View** | srs\_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 ‘subfacility’, sub-group by ‘parameter\_site’.

Footnote: **Headers:** Sub-facility.  
**Sub-headers**: Calibration and validation sites and locations (SRS – Altimetry), parameter measured (SRS – Bio-optical and Gridded products), or vessel/station name (SRS – Ocean colour calibration).  
**# measurements**: Number of measurements collected or number of gridded images (SRS – Gridded products).  
**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.  
**Satellite Remote Sensing**: <http://imos.org.au/srs.html>.  
**SRS – Altimetry:** <http://imos.org.au/srscalval.html>.  
**SRS – Bio-optical database**: Bio-optical database of Australian waters (<http://imos.org.au/bwg.html>).  
**SRS – Gridded products**: <http://imos.org.au/sstproducts.html>.  
**SRS – Ocean Colour Calibration**: Lucinda Jetty Coastal Observatory. <http://imos.org.au/oceancolour.html>.

### Template

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **deployment\_code** | **sensor\_name** | **no\_measurements** | **start\_date** | **end\_date** | **coverage\_duration** |
| Deployment ID | Sensor/Vessel name | # measurements | Start | End | # days of data |
| Headers = ‘subfacility’ | | | | | |
| Sub-headers = ‘parameter\_site’ | | | | | |
|  |  |  |  |  |  |