

Satellite Remote Sensing - data currently available via the portal



Data summary - report run on Thursday 01 November 2018

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|--|---|
| Headers: | Name of SRS sub-facility. |
| Site/Parameter: | Calibration and validation sites and locations (SRS - Altimetry sub-facility), parameter measured (SRS - Bio-optical and Gridded products) or vessel 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: | http://imos.org.au/oceancolour.html |

| Site/Parameter | # sensors/vessels | # deployments /products | # measurements | Start | End | # days of data (range) |
|----------------|-------------------|-------------------------|----------------|-------|-----|------------------------|
|----------------|-------------------|-------------------------|----------------|-------|-----|------------------------|

SRS - Altimetry

| | | | | | | |
|------------------|---|---|-----------|------------|------------|-----------------|
| Bass Strait, TAS | 4 | 0 | 9,653,925 | 17/12/2001 | 06/04/2018 | 266.0 - 5762.0 |
| Storm Bay, TAS | 2 | 0 | 2,959,551 | 05/04/2009 | 16/09/2016 | 2721.0 - 2721.0 |

SRS - Bio-optical Database

| | | | | | | |
|------------------|----|-----|-----------|------------|------------|--------------|
| Absorption | 32 | 114 | 136,893 | 01/12/1997 | 21/11/2016 | 0.0 - 1554.1 |
| Backscattering | 6 | 96 | 14,351 | 21/10/2002 | 23/04/2008 | 0.0 - 24.8 |
| Pigment | 54 | 156 | 1,279,046 | 07/03/1985 | 21/11/2016 | 0.0 - 5120.7 |
| Suspended matter | 37 | 62 | 546,848 | 14/02/1997 | 21/11/2016 | 0.0 - 4709.4 |

SRS - Gridded Products

| | | | | | | |
|---------------|---|----|--------|------------|------------|-----------------|
| Chlorophyll a | 0 | 12 | 48,595 | 29/08/1997 | 29/10/2018 | 3440.0 - 5960.0 |
| SST | 0 | 10 | 97,829 | 20/03/1992 | 29/10/2018 | 3331.0 - 9514.0 |

SRS - Ocean Colour Calibration

| | | | | | | |
|-----------------------------------|---|----|-----------|------------|------------|--------------|
| Lucinda Jetty Coastal Observatory | 6 | 7 | 3,409 | 31/05/2010 | 08/10/2018 | 12.4 - 903.8 |
| Solander | 0 | 12 | 2,287,900 | 30/07/2013 | 14/02/2018 | 0.0 - 15.1 |

| Site/Parameter | # sensors/vessels | # deployments /products | # measurements | Start | End | # days of data (range) |
|-------------------|-------------------|-------------------------|----------------|------------|------------|------------------------|
| Southern Surveyor | 0 | 25 | 2,320,303 | 29/07/2011 | 02/10/2013 | 0.0 - 24.2 |

| | Altimetry | Bio-Optical | Gridded products | Ocean colour calibration |
|--|-------------------------|-------------------------|-------------------------|--------------------------|
| Total number of sites/parameters: | 2 | 4 | 2 | 3 |
| Total number of deployments/products: | 0 | 428 | 22 | 44 |
| Total number of sensors/vessels: | 6 | 129 | 0 | 6 |
| Total number of measurements: | 12,613,476 | 1,977,138 | | 4,611,612 |
| Total number of gridded images: | | | 146,424 | |
| Temporal range: | 17/12/2001 - 06/04/2018 | 07/03/1985 - 21/11/2016 | 20/03/1992 - 29/10/2018 | 31/05/2010 - 08/10/2018 |
