

# Ocean Gliders - data currently available via the portal



Data summary - report run on Thursday 31 August 2017

**“Note that there has been a drop in the total number of glider deployments in this data report compared to previous monthly reports. The drop is due to the migration of the IMOS data to a new storage facility. Work is underway to fix issues with the corresponding netCDF files.”**

|                                 |   |
|---------------------------------|---|
| <b>Headers:</b>                 | Data type.  |
| <b>Sub-headers:</b>             | Deployment state.   |
| <b># platforms:</b>             | Number of distinct seaglider and slocum glider platforms that have been deployed.         |
| <b># deployments:</b>           | Number of seaglider and slocum glider deployments.  |
| <b># slocum deployments:</b>    | Number of slocum glider deployments.  |
| <b># seaglider deployments:</b> | Number of seaglider deployments.  |
| <b>Start:</b>                   | Earliest glider deployment date (format: dd/mm/yyyy).                                     |
| <b>End:</b>                     | Latest glider recovery date (format: dd/mm/yyyy).   |
| <b># days of data (range):</b>  | Number of days between the data recording start and end dates (minimum - maximum).        |
| <b>Ocean Gliders:</b>           | <a href="http://imos.org.au/oceangliders.html">http://imos.org.au/oceangliders.html</a> . |

| Deployment location | # platforms | # deployments | # slocum deployments | # seaglider deployments | # measurements | Start | End | # days of data (range) |
|---------------------|-------------|---------------|----------------------|-------------------------|----------------|-------|-----|------------------------|
|---------------------|-------------|---------------|----------------------|-------------------------|----------------|-------|-----|------------------------|

## Delayed mode data

### NSW

|              |   |    |    |   |            |            |            |              |
|--------------|---|----|----|---|------------|------------|------------|--------------|
| Coffs        | 1 | 1  | 1  | 0 | 1,169,323  | 12/11/2011 | 28/11/2011 | 16.5 - 16.5  |
| CrowdyHead   | 2 | 2  | 1  | 1 | 1,232,873  | 01/10/2009 | 03/12/2010 | 17.1 - 116.2 |
| Harrington   | 1 | 1  | 1  | 0 | 308,184    | 17/03/2009 | 09/04/2009 | 23.1 - 23.1  |
| NSW          | 4 | 5  | 4  | 1 | 3,630,782  | 19/10/2009 | 31/08/2011 | 15.3 - 59.4  |
| PortStephens | 3 | 3  | 3  | 0 | 773,456    | 25/11/2008 | 29/03/2010 | 15.6 - 21.0  |
| Sydney       | 1 | 2  | 0  | 2 | 1,165,738  | 23/03/2013 | 21/07/2013 | 51.7 - 64.9  |
| Yamba        | 5 | 21 | 21 | 0 | 18,734,404 | 19/06/2012 | 08/07/2017 | 2.0 - 28.2   |

### QLD

|              |   |   |   |   |           |            |            |              |
|--------------|---|---|---|---|-----------|------------|------------|--------------|
| AIMS         | 1 | 2 | 2 | 0 | 317,585   | 21/10/2015 | 15/12/2015 | 5.9 - 19.8   |
| Cairns       | 2 | 4 | 4 | 0 | 3,577,329 | 30/11/2015 | 07/08/2016 | 11.9 - 28.8  |
| CharlotteBay | 1 | 1 | 1 | 0 | 30,253    | 24/11/2015 | 27/11/2015 | 2.8 - 2.8    |
| Cooktown     | 3 | 4 | 4 | 0 | 2,454,733 | 16/02/2016 | 23/08/2016 | 4.2 - 27.0   |
| CoralSea     | 3 | 4 | 0 | 4 | 3,177,998 | 01/06/2010 | 29/09/2013 | 18.6 - 147.8 |

| Deployment location | # platforms | # deployments | # slocum deployments | # seaglider deployments | # measurements | Start      | End        | # days of data (range) |
|---------------------|-------------|---------------|----------------------|-------------------------|----------------|------------|------------|------------------------|
| GBR                 | 2           | 2             | 2                    | 0                       | 1,921,712      | 03/11/2015 | 09/04/2017 | 16.9 - 29.9            |
| Heron               | 3           | 12            | 12                   | 0                       | 2,391,373      | 28/11/2012 | 30/05/2015 | 9.1 - 21.1             |
| Lizard              | 3           | 4             | 0                    | 5                       | 2,406,095      | 30/04/2014 | 20/05/2017 | 21.8 - 90.0            |
| LizardIsland        | 1           | 1             | 0                    | 1                       | 482,410        | 24/10/2013 | 17/12/2013 | 54.0 - 54.0            |

## SA

|             |   |    |    |   |            |            |            |             |
|-------------|---|----|----|---|------------|------------|------------|-------------|
| GAB         | 3 | 3  | 0  | 3 | 1,468,077  | 16/09/2014 | 25/05/2016 | 26.2 - 75.6 |
| SpencerGulf | 8 | 17 | 17 | 0 | 12,123,869 | 16/07/2008 | 18/06/2015 | 8.0 - 26.8  |

## SEA IMOS

|             |   |    |    |   |            |            |            |              |
|-------------|---|----|----|---|------------|------------|------------|--------------|
| BassStrait  | 1 | 2  | 2  | 0 | 1,486,598  | 01/03/2016 | 07/04/2017 | 17.0 - 19.0  |
| Bicheno     | 4 | 4  | 0  | 4 | 3,621,140  | 22/04/2009 | 14/07/2011 | 59.3 - 142.8 |
| Marialsland | 1 | 1  | 0  | 1 | 492,625    | 13/02/2009 | 13/04/2009 | 59.9 - 59.9  |
| Portland    | 3 | 5  | 4  | 1 | 5,251,256  | 26/05/2009 | 21/05/2017 | 24.2 - 69.2  |
| SOTS        | 2 | 3  | 0  | 3 | 2,538,131  | 20/03/2010 | 31/08/2011 | 25.0 - 133.4 |
| StormBay    | 3 | 30 | 30 | 0 | 30,745,420 | 05/08/2011 | 25/05/2017 | 8.8 - 56.0   |

## WA

|           |    |    |    |   |            |            |            |              |
|-----------|----|----|----|---|------------|------------|------------|--------------|
| Bremer    | 2  | 2  | 1  | 1 | 1,097,479  | 21/02/2013 | 13/04/2017 | 19.6 - 33.0  |
| Kalbarri  | 3  | 3  | 1  | 2 | 1,441,453  | 19/05/2009 | 16/01/2010 | 14.1 - 57.0  |
| Kimberley | 4  | 13 | 14 | 0 | 16,787,211 | 21/11/2011 | 11/06/2015 | 18.8 - 24.0  |
| Leeuwin   | 5  | 8  | 0  | 8 | 4,585,509  | 22/05/2013 | 03/07/2017 | 31.5 - 81.8  |
| Ningaloo  | 2  | 2  | 1  | 1 | 782,058    | 06/09/2010 | 04/05/2017 | 8.0 - 42.0   |
| Perth     | 4  | 4  | 0  | 4 | 2,452,516  | 26/10/2010 | 12/10/2011 | 35.8 - 107.8 |
| Pilbara   | 4  | 12 | 12 | 0 | 11,622,654 | 11/02/2012 | 29/03/2015 | 15.8 - 25.8  |
| TwoRocks  | 10 | 47 | 47 | 0 | 30,917,875 | 21/06/2008 | 12/06/2017 | 1.6 - 31.0   |

## Near real-time data

### NSW

|       |   |   |   |   |        |            |            |           |
|-------|---|---|---|---|--------|------------|------------|-----------|
| Yamba | 1 | 1 | 1 | 0 | 15,347 | 22/08/2017 | 29/08/2017 | 6.9 - 6.9 |
|-------|---|---|---|---|--------|------------|------------|-----------|

### WA

|            |   |   |   |   |           |            |            |               |
|------------|---|---|---|---|-----------|------------|------------|---------------|
| Challenger | 1 | 1 | 1 | 0 | 367,002   | 05/11/2016 | 28/08/2017 | 296.2 - 296.2 |
| Leeuwin    | 1 | 1 | 0 | 1 | 1,867,218 | 13/10/2016 | 13/10/2016 | 0.0 - 0.0     |
| TwoRocks   | 1 | 1 | 1 | 0 | 54,628    | 25/07/2017 | 21/08/2017 | 27.0 - 27.0   |

|  | Near real-time data     | Delayed mode data       | TOTAL                   |
|--|-------------------------|-------------------------|-------------------------|
| Total number of deployment locations:  | 4                       | 32                      | 33                      |
| Total number of deployments:           | 4                       | 225                     | 228                     |
| Total number of slocum deployments:    | 3                       | 185                     | 188                     |
| Total number of seaglider deployments: | 1                       | 42                      | 43                      |
| Total number of measurements:          | 2,304,195               | 171,188,119             | 173,492,314             |
| Temporal range:                        | 13/10/2016 - 29/08/2017 | 21/06/2008 - 08/07/2017 | 21/06/2008 - 29/08/2017 |
| Latitudinal range:                     | -32.9 - 3.2             | -47.1 - -11.3           | -47.1 - 3.2             |
| Longitudinal range:                    | 80.1 - 152.7            | 108.9 - 156.0           | 80.1 - 156.0            |
| Depth range:                           | 1006.0 - 1006.0         | 27.1 - 1024.6           | 27.1 - 1024.6           |

## Breakdown by IMOS Node

|  | NSW                        | QLD                        | SA                         | SEA                        | WA                         |
|--|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Total number of deployment locations:  | 7                          | 9                          | 2                          | 6                          | 9                          |
| Total number of deployments:           | 36                         | 34                         | 20                         | 45                         | 94                         |
| Total number of slocum deployments:    | 32                         | 25                         | 17                         | 36                         | 78                         |
| Total number of seaglider deployments: | 4                          | 10                         | 3                          | 9                          | 17                         |
| Total number of measurements:          | 27,030,107                 | 16,759,488                 | 13,591,946                 | 44,135,170                 | 71,975,603                 |
| Temporal range:                        | 25/11/2008 -<br>29/08/2017 | 01/06/2010 -<br>20/05/2017 | 16/07/2008 -<br>25/05/2016 | 13/02/2009 -<br>25/05/2017 | 21/06/2008 -<br>28/08/2017 |

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