Supplementary Table 1. Deployment data for ESTOC/CI and MSD sediment traps (see Figure 1A).

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **trap** | **LAT** | **LONG** | **water depth** | **trap depth** | **sampling** |  | **sample x days** | *references CI-1-13* | **deployment cruise** | **recovery cruise** |
| **identification** | **N** | **W** | **m** | **m** | **start** | **end** |  |  |  | **GeoB numbers** |
| **CI -1** | 29°07. | 15°27. | 3605 | 1006 | 25.11.1991 | 25.09.1992 | 20 x 15.3 | *Neuer et al. 1997, Fischer et al. 1996* | Meteor 20/1 | Meteor 22/1 |
|  |  |  |  | 3084 | 25.11.1991 | 25.09.1992 | 20 x 15.3 | *Davenport et al. 1999* |  |  |
| **CI -2** | 29°07. | 15°24. | 3605 | 1036 | 01.10.1992 | 09.04.1993 | 20 x 9.5 | *Neuer et al. 1997, Fischer et al. 1996* | Meteor 22/1 | Meteor 23/3 |
|  |  |  |  | 3067 | 01.10.1992 | 09.04.1993 | 20 x 9.5 | *Davenport et al. 1999* |  | GeoB 2220-1 |
| **CI -3** | 29°09. | 15°27. | 3605 | 645 | 12.04.1993 | 06.08.1993 | 6 x 21 | *Neuer et al. 1997, 2007* | Meteor 23/3 | Polarstern XI/5 |
|  |  |  |  | 1026 | 12.04.1993 | 07.06.1994 | 1 x 11, 19 x 21 | *Davenport et al., 1999* |  |  |
|  |  |  |  | 3086 | 12.04.1993 | 07.06.1994 | 1 x 11, 17 x 21. 1 x 52 |  |  |  |
| **CI -4** | 29°10. | 15°27. | 3625 | 923 | 09.06.1994 | 02.09.1994 | 20 x 4.3 | *Neuer et al. 1997, 2007* | Polarstern ANT XI/5 | Meteor 29/3 |
|  |  |  |  | 3070 | 09.06.1994 | 02.09.1994 | 20 x 4.3 | *Davenport et al. 1999* |  |  |
| **CI -5** | 29°09. | 15°29. | 3625 | 713 | 05.09.1994 | 12.11.1995 | 1 x 434 |  | Meteor 29/3 | Polarstern XIII/1 |
|  |  |  |  | 976 | 05.09.1994 | 12.11.1995 | 1 x 19, 18 x 22, 1 x 19 | *Neuer et al. 2007* |  |  |
| **CI-6** | 29°09. | 15°28. | 3628 | 731 | 17.11.1995 | 21.12.1996 | 20 x 20 | *Neuer et al. 2007* | Polarstern ANT XIII/1 | Meteor 37/1 |
|  |  |  |  | 976 | 17.11.1995 | 21.12.1996 | 20 x 20 | *Neuer et al. 2007* |  | GeoB 4241-1 |
|  |  |  |  | 3062 | 17.11.1995 | 01.12.1996 | 19 x 20 |  |  |  |
| **CI-7** | 29°11. | 15°27. | 3610 | 750 | 23.12.1996 | 15.09.1997 | 19 x 14 | *Neuer et al. 200b2, 2004* | Meteor 37/1 | Poseidon 233b |
|  |  |  |  | 1010 | 23.12.1996 | 28.09.1997 | 20 x 14 | *Fischer et al. 2009* |  |  |
|  |  |  |  | 3050 | 23.12.1996 | 15.09.1997 | 19 x 14 |  |  |  |
| **CI-8** | 29°11. | 15°27. | 3602 | 705 | 05.10.1997 | 16.03.1998 | 17 x 9.5 | *Neuer et al. 2002b, 2004* | Poseidon 233b | Meteor 42/1 |
|  |  |  |  | 990 | 05.10.1997 | 16.03.1998 | 3 x 9.5, 1 x 133 |  |  |  |
|  |  |  |  | 3041 | 05.10.1997 | 16.03.1998 | 17 x 9.5 |  |  |  |
| **CI-9** | 29°11. | 15°27. | 3602 | 3041 | 26.03.1998 | 01.10.1998 | 20 x 9.5 | *Neuer et al. 2002b* | Meteor 42/1 | Meteor 42/4a |
| **CI-10** | 29°11. | 15°27. | 3600 | 820 | 03.10.1998 | 23.01.1999 | 1 x 17, 2 x 19, 17 x 9.5 | *Neuer et al. 2004* | Meteor 42/4a | Meteor 45/1 |
|  |  |  |  | 1109, 3036 | 03.10.1998 | 07.05.1999 | 1 x 17, 2 x 19, 17 x 9.5 |  |  |  |
| **CI-11** | 29°11. | 15°26. | 3608 | 828 | 01.06.1999 | 04.11.1999 | 1 x 13, 15 x 9.5 | *Neuer et al. 2007* | Meteor 45/1 | Meteor 45/5 |
| **CI-12** | 29°12. | 15°27. | 3609 | 846 | 08.11.1999 | 31.12.1999 | 5 x 10, 1 x 3 | *Neuer et al. 2007* | Meteor 46/1 | Poseidon 258 |
|  |  |  |  | 1147 | 08.11.1999 | 28.12.1999 | 5 x 10, 1 x 88 |  | GeoB 6101-1 |  |
|  |  |  |  | 3096 | 08.11.1999 | 24.03.2000 | 5 x 10, 1 x 88 |  |  |  |
| **CI-13** | 29°13. | 15°27. | 3601 | 847 | 28.03.2000 | 20.03.2001 | 18 x 19, 1 x 15 | *Neuer et al. 2007* | Poseidon 258 | Poseidon 271 |
|  |  |  |  | 1147 | 28.03.2000 | 20.03.2001 | 1 x 19, 1 x 338 |  |  |  |
|  |  |  |  | 3096 | 28.03.2000 | 20.03.2001 | 18 x 19, 1 x 15 |  |  |  |
| **CI-14** | 29°14. | 15°27. | 3600 | 1005 | 23.03.01 | 12.04.02 | 3 x 19.3, 1 x 323 |  | Poseidon 271 | Meteor 53/1 |
|  |  |  |  | 1280, 3060 | 23.03.01 | 12.04.02 | 20 x 19.3 |  |  |  |
| **CI-16** | 29°04. | 15°16. | 3600 | 1014 | 12.04.2003 | 06.04.2004 | 2x18, 1 x 342 |  | Poseidon 296 | Poseidon 310 |
|  |  |  |  | 3055 | 12.04.2003 | 06.04.2004 | 20 x 18 |  |  |  |
| **CI-17** | 29°04. | 15°15. | 3600 | 698 | 26.04.2004 | 20.02.2005 | 20 x 15 |  | Poseidon 310 | Poseidon 320 |
|  |  |  |  | 1025, 3055 | 26.04.2004 | 20.02.2005 | 20 x 15 |  |  |  |
| **CI-18** | 29°04. | 15°15. | 3590 | 699 | 16.03.2005 | 25.11.2005 | 16 x 15, 1 x 14 |  | Poseidon 320 | Poseidon 330 |
|  |  |  |  | 1025 | 16.03.2005 | 25.11.2005 | 16 x 15, 1 x 14 |  |  |  |
|  |  |  |  | 3052 | 16.03.2005 | 25.11.2005 | 16 x 15, 1 x 14 |  |  |  |
| **CI-19** | 29°04. | 15°15. | 3590 | 699 | 27.11.2005 | 25.02.2006 | 20 x 4.5 |  | Poseidon 330 | Poseidon 333 |
|  |  |  |  | 1025 | 27.11.2005 | 25.02.2006 | 20 x 4.5 |  |  |  |
|  |  |  |  | 3052 | 27.11.2005 | 25.02.2006 | 20 x 4.5 |  |  |  |
| **CI-20** | 29°04. | 15°16. | 3590 | 699 | 10.03.2006 | 20.03.07 | 17 x 22 |  | Poseidon 333 | MS Merian 4b |
|  |  |  |  | 1025 | 10.03.2006 | 20.03.07 | 17 x 22 |  |  | GeoB 11828-1 |
|  |  |  |  | 3052 | 10.03.2006 | 20.03.07 | 17 x 22 |  |  |  |
| **CI-21** | 29°03. | 15°16. | 3605 | 702 | 22.03.2007 | 05.04.2008 | 20 x 19 |  | MS Merian 4b | Poseidon 365 |
|  |  |  |  | 1109, 3066 | 22.03.2007 | 05.04.2008 | 20 x 19 |  |  | GeoB 12904-1 |
| **CI-22** | 29°03. | 15°16. | 3605 | 702 | 16.04.2008 | 22.03.2009 | 15 x 17, 1 x 102 |  | Poseidon 365 | MS Merian 11-2 |
|  |  |  |  | 1109 | 16.04.2008 | 22.03.2009 | 15 x 17, 1 x 102 |  |  | GeoB 13620-1 |
|  |  |  |  | 3066 | 16.04.2008 | 22.03.2009 | 20 x 17 |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **trap** | **LAT** | **LONG** | **water depth** | **trap depth** | **sampling** |  | **sample x days** | *references CI-1-13* | **deployment cruise** | **recovery cruise** |
| **identification** | **N** | **W** | **m** | **m** | **start** | **end** |  |  |  | **GeoB numbers** |
| **MSD-1 deep** | 29°11. | 15°56. | 3630 | 3050 | 16.04.2002 | 11.04.2003 | 40 x 9d |  | Meteor 53/1 | Poseidon 296 |
| **MSD-2 deep** | 29°10. | 15°55. | 3630 | 3050 | 15.06.2003 | 30.03.2004 | 40 x 7.3d |  | Meteor 58/3 | Poseidon 310 |
| **MSD-3 deep** | 29°10. | 15°50. | 3628 | 3019 | 25.04.2004 | 06.12.2004 | 30 x 7.5 |  | Poseidon 310 | Poseidon 319 |
| **MSD-4 deep** | 29°12. | 15°50. | 3626 | 3050 | 18.12.2004 | 10.03.2005 | 11 x 7.5d |  | Poseidon 319 | Poseidon 320 |
| **MSD-5 upper** | 29°13. | 15°51. | 3630 | 890 | 11.03.2005 | 06.11.2005 | 40 x 6.0d |  | Poseidon 320 | Poseidon 330 |