**Supplementary Table I.** Deep in and out-patch stations and corresponding depths sampled for protozooplankton during EIFEX.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Station | Cast | Days since first Fe-release | In/Out |  | Sampling depths (m) |
| 587 | 16 | 34.2 | Out |  | 500, 1000, 2000, 3000, 3897 |
| 590 | 1 | 34.9 | Edge |  | 500, 1000, 1200, 1400, 1600, 1800, 2000, 2500, 3000, 3650 |
| 591 | 11 | 35.6 | In |  | 500, 1000, 1250, 1500, 1750, 2000, 2500, 3000, 3904 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| 593 | 14 | 36.3 | In |  | 500, 1000, 1500, 2000, 2600, 3000, 3870 |
| 593 | 18 | 36.6 | In |  | 500, 750, 1000, 1250, 1500, 2000, 2500, 3000, 3780 |

**Supplementary Table II.** Temporal and vertical variation of foraminifera, acantharia, phaeodaria and *Sticholonche zanclea* abundances during EIFEX.

Day, days since Fe-release; Ct., number of individuals counted; Ab., abundances (cells L-1); ±C.I.95, 95% confidence intervals for the abundance estimates.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | **Foraminifera** | | | | | | | | **Acantharia** | | | | | | | | **Phaeodaria** | | | | | | | | ***Sticholonche zanclea*** | | | | | | | |
| Station (cast) | Day | In/Out | Depth (m) | | | Ct. | | Ab. | | -C.I.95 | | + C.I.95 | | Ct. | | Ab. | | -C.I.95 | | +C.I.95 | | Ct. | | Ab. | | -C.I.95 | | +C.I.95 | | Ct. | | Ab. | | –C.I.95 | | +C.I.95 | |
| 424 (22) | -0.7 |  | | 10 | 7 | | 6 | | 2 | | 12 | | 54 | | 43 | | 32 | | 56 | | 0 | | 0 | | 0 | | 3 | | 0 | | 0 | | 0 | | 0 | |
| 424 (22) | -0.7 |  | | 20 | 2 | | 4 | | 0 | | 13 | | 36 | | 64 | | 45 | | 88 | | 0 | | 0 | | 0 | | 6 | | 2 | | 4 | | 0 | | 13 | |
| 424 (22) | -0.7 |  | | 40 | 11 | | 9 | | 4 | | 16 | | 46 | | 37 | | 27 | | 50 | | 0 | | 0 | | 0 | | 3 | | 5 | | 4 | | 1 | | 9 | |
| 424 (22) | -0.7 |  | | 80 | 14 | | 11 | | 6 | | 18 | | 57 | | 45 | | 34 | | 58 | | 2 | | 2 | | 0 | | 6 | | 4 | | 3 | | 1 | | 8 | |
| 424 (22) | -0.7 |  | | 100 | 11 | | 9 | | 4 | | 16 | | 113 | | 90 | | 74 | | 109 | | 0 | | 0 | | 0 | | 3 | | 5 | | 4 | | 1 | | 9 | |
| 424 (22) | -0.7 |  | | 150 | 19 | | 15 | | 9 | | 24 | | 58 | | 46 | | 35 | | 60 | | 2 | | 2 | | 0 | | 6 | | 20 | | 16 | | 10 | | 25 | |
| 424 (22) | -0.7 |  | | 200 | 8 | | 6 | | 3 | | 12 | | 11 | | 9 | | 4 | | 15 | | 8 | | 6 | | 3 | | 12 | | 1 | | 1 | | 0 | | 4 | |
| 424 (22) | -0.7 |  | | 250 | 5 | | 4 | | 1 | | 9 | | 5 | | 4 | | 1 | | 9 | | 9 | | 7 | | 3 | | 14 | | 0 | | 0 | | 0 | | 0 | |
| 424 (22) | -0.7 |  | | 300 | 10 | | 2 | | 1 | | 4 | | 8 | | 2 | | 1 | | 4 | | 33 | | 8 | | 5 | | 11 | | 4 | | 1 | | 0 | | 2 | |
| 424 (22) | -0.7 |  | | 350 | 3 | | 2 | | 0 | | 7 | | 7 | | 6 | | 2 | | 12 | | 10 | | 8 | | 4 | | 15 | | 0 | | 0 | | 0 | | 0 | |
| 427 (6) | 0.9 | Out | | 10 | 7 | | 6 | | 2 | | 12 | | 111 | | 89 | | 73 | | 107 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| 427 (6) | 0.9 | Out | | 20 | 2 | | 8 | | 1 | | 28 | | 17 | | 66 | | 39 | | 106 | | 0 | | 0 | | 0 | | 0 | | 1 | | 4 | | 0 | | 22 | |
| 427 (6) | 0.9 | Out | | 40 | 7 | | 6 | | 2 | | 12 | | 76 | | 61 | | 48 | | 76 | | 0 | | 0 | | 0 | | 0 | | 4 | | 3 | | 1 | | 8 | |
| 427 (6) | 0.9 | Out | | 80 | 11 | | 9 | | 4 | | 16 | | 65 | | 52 | | 40 | | 66 | | 7 | | 6 | | 2 | | 12 | | 3 | | 2 | | 0 | | 7 | |
| 427 (6) | 0.9 | Out | | 100 | 11 | | 9 | | 4 | | 16 | | 90 | | 72 | | 58 | | 88 | | 3 | | 2 | | 0 | | 7 | | 4 | | 3 | | 1 | | 8 | |
| 427 (6) | 0.9 | Out | | 150 | 14 | | 12 | | 7 | | 20 | | 33 | | 29 | | 20 | | 40 | | 14 | | 12 | | 7 | | 20 | | 11 | | 10 | | 5 | | 17 | |
| 427 (6) | 0.9 | Out | | 250 | 8 | | 2 | | 1 | | 4 | | 13 | | 3 | | 2 | | 5 | | 21 | | 5 | | 3 | | 8 | | 0 | | 0 | | 0 | | 0 | |
| 427 (6) | 0.9 | Out | | 350 | 6 | | 1 | | 1 | | 3 | | 11 | | 3 | | 1 | | 5 | | 28 | | 7 | | 4 | | 10 | | 0 | | 0 | | 0 | | 0 | |
| 508 (22) | 9.9 | In | | 10 | 14 | | 11 | | 6 | | 19 | | 162 | | 129 | | 110 | | 151 | | 0 | | 0 | | 0 | | 0 | | 4 | | 3 | | 1 | | 8 | |
| 508 (22) | 9.9 | In | | 20 | 5 | | 4 | | 1 | | 9 | | 133 | | 106 | | 89 | | 126 | | 2 | | 2 | | 0 | | 6 | | 5 | | 4 | | 1 | | 9 | |
| 508 (22) | 9.9 | In | | 40 | 18 | | 14 | | 9 | | 23 | | 135 | | 108 | | 90 | | 128 | | 1 | | 1 | | 0 | | 4 | | 10 | | 8 | | 4 | | 15 | |
| 508 (22) | 9.9 | In | | 60 | 8 | | 6 | | 3 | | 13 | | 127 | | 101 | | 85 | | 121 | | 0 | | 0 | | 0 | | 0 | | 11 | | 9 | | 4 | | 16 | |
| 508 (22) | 9.9 | In | | 80 | 7 | | 6 | | 2 | | 12 | | 122 | | 97 | | 81 | | 116 | | 5 | | 4 | | 1 | | 9 | | 7 | | 6 | | 2 | | 12 | |
| 508 (22) | 9.9 | In | | 100 | 21 | | 17 | | 10 | | 26 | | 132 | | 105 | | 88 | | 125 | | 1 | | 1 | | 0 | | 4 | | 11 | | 9 | | 4 | | 16 | |
| 508 (22) | 9.9 | In | | 150 | 11 | | 9 | | 4 | | 16 | | 22 | | 18 | | 11 | | 27 | | 23 | | 18 | | 12 | | 28 | | 10 | | 8 | | 4 | | 15 | |
| 508 (22) | 9.9 | In | | 200 | 24 | | 11 | | 7 | | 17 | | 6 | | 3 | | 1 | | 6 | | 36 | | 17 | | 12 | | 24 | | 0 | | 0 | | 0 | | 0 | |
| 508 (22) | 9.9 | In | | 250 | 4 | | 3 | | 1 | | 8 | | 0 | | 0 | | 0 | | 0 | | 10 | | 8 | | 4 | | 15 | | 0 | | 0 | | 0 | | 0 | |
| 508 (22) | 9.9 | In | | 300 | 15 | | 4 | | 2 | | 6 | | 4 | | 1 | | 1 | | 2 | | 30 | | 7 | | 5 | | 10 | | 1 | | 0 | | 0 | | 1 | |
| 508 (22) | 9.9 | In | | 350 | 4 | | 1 | | 0 | | 2 | | 3 | | 1 | | 1 | | 2 | | 10 | | 2 | | 1 | | 4 | | 0 | | 0 | | 0 | | 0 | |
| 509 (16) | 10.6 | Out | | 10 | 14 | | 11 | | 6 | | 19 | | 164 | | 131 | | 112 | | 153 | | 0 | | 0 | | 0 | | 0 | | 8 | | 6 | | 3 | | 13 | |
| 509 (16) | 10.6 | Out | | 20 | 5 | | 10 | | 3 | | 22 | | 51 | | 98 | | 98 | | 129 | | 1 | | 2 | | 0 | | 11 | | 9 | | 17 | | 8 | | 33 | |
| 509 (16) | 10.6 | Out | | 40 | 6 | | 5 | | 2 | | 10 | | 106 | | 85 | | 85 | | 102 | | 2 | | 2 | | 0 | | 6 | | 10 | | 8 | | 4 | | 15 | |
| 509 (16) | 10.6 | Out | | 80 | 8 | | 6 | | 3 | | 13 | | 106 | | 85 | | 85 | | 102 | | 9 | | 7 | | 3 | | 14 | | 27 | | 22 | | 14 | | 31 | |
| 509 (16) | 10.6 | Out | | 100 | 13 | | 10 | | 6 | | 18 | | 76 | | 61 | | 61 | | 76 | | 15 | | 12 | | 7 | | 20 | | 22 | | 18 | | 11 | | 27 | |
| 509 (16) | 10.6 | Out | | 150 | 11 | | 9 | | 4 | | 16 | | 19 | | 15 | | 15 | | 24 | | 18 | | 14 | | 9 | | 23 | | 0 | | 0 | | 0 | | 0 | |
| 509 (16) | 10.6 | Out | | 200 | 4 | | 1 | | 0 | | 2 | | 10 | | 2 | | 2 | | 4 | | 35 | | 8 | | 6 | | 12 | | 0 | | 0 | | 0 | | 0 | |
| 509 (16) | 10.6 | Out | | 250 | 5 | | 4 | | 1 | | 9 | | 7 | | 6 | | 6 | | 12 | | 11 | | 9 | | 4 | | 16 | | 1 | | 1 | | 0 | | 4 | |
| 509 (16) | 10.6 | Out | | 300 | 3 | | 1 | | 0 | | 2 | | 5 | | 1 | | 1 | | 3 | | 30 | | 7 | | 5 | | 10 | | 0 | | 0 | | 0 | | 0 | |
| 509 (16) | 10.6 | Out | | 350 | 2 | | 1 | | 0 | | 2 | | 6 | | 1 | | 1 | | 3 | | 10 | | 2 | | 1 | | 4 | | 0 | | 0 | | 0 | | 0 | |
| 511 (12) | 12 | In | | 10 | 21 | | 17 | | 10 | | 26 | | 143 | | 114 | | 96 | | 135 | | 2 | | 2 | | 0 | | 6 | | 4 | | 3 | | 1 | | 8 | |
| 511 (12) | 12 | In | | 20 | 4 | | 8 | | 2 | | 20 | | 61 | | 117 | | 89 | | 150 | | 0 | | 0 | | 0 | | 0 | | 11 | | 21 | | 11 | | 38 | |
| 511 (12) | 12 | In | | 40 | 13 | | 11 | | 6 | | 18 | | 85 | | 70 | | 56 | | 87 | | 2 | | 2 | | 0 | | 6 | | 13 | | 11 | | 6 | | 18 | |
| 511 (12) | 12 | In | | 80 | 11 | | 10 | | 5 | | 17 | | 103 | | 89 | | 73 | | 109 | | 5 | | 4 | | 1 | | 10 | | 6 | | 5 | | 2 | | 11 | |
| 511 (12) | 12 | In | | 100 | 14 | | 11 | | 6 | | 19 | | 109 | | 87 | | 71 | | 105 | | 2 | | 2 | | 0 | | 6 | | 9 | | 7 | | 3 | | 14 | |
| 511 (12) | 12 | In | | 150 | 19 | | 15 | | 9 | | 24 | | 45 | | 36 | | 26 | | 48 | | 22 | | 18 | | 11 | | 27 | | 16 | | 13 | | 7 | | 21 | |
| 511 (12) | 12 | In | | 250 | 11 | | 3 | | 1 | | 5 | | 4 | | 1 | | 1 | | 2 | | 40 | | 10 | | 7 | | 13 | | 0 | | 0 | | 0 | | 0 | |
| 511 (12) | 12 | In | | 350 | 6 | | 1 | | 1 | | 3 | | 8 | | 2 | | 1 | | 4 | | 17 | | 4 | | 2 | | 6 | | 0 | | 0 | | 0 | | 0 | |
| 514 (18) | 17 | Out | | 10 | 9 | | 7 | | 3 | | 14 | | 99 | | 79 | | 64 | | 96 | | 3 | | 2 | | 0 | | 7 | | 2 | | 2 | | 0 | | 6 | |
| 514 (18) | 17 | Out | | 20 | 3 | | 6 | | 1 | | 17 | | 47 | | 90 | | 66 | | 120 | | 1 | | 2 | | 0 | | 11 | | 3 | | 6 | | 1 | | 17 | |
| 514 (18) | 17 | Out | | 40 | 14 | | 11 | | 6 | | 19 | | 106 | | 85 | | 69 | | 102 | | 2 | | 2 | | 0 | | 6 | | 5 | | 4 | | 1 | | 9 | |
| 514 (18) | 17 | Out | | 80 | 17 | | 14 | | 8 | | 22 | | 77 | | 62 | | 49 | | 77 | | 5 | | 4 | | 1 | | 9 | | 18 | | 14 | | 9 | | 23 | |
| 514 (18) | 17 | Out | | 100 | 17 | | 14 | | 8 | | 22 | | 95 | | 76 | | 61 | | 93 | | 13 | | 10 | | 6 | | 18 | | 26 | | 21 | | 14 | | 30 | |
| 514 (18) | 17 | Out | | 150 | 14 | | 11 | | 6 | | 19 | | 45 | | 36 | | 26 | | 48 | | 24 | | 19 | | 12 | | 29 | | 4 | | 3 | | 1 | | 8 | |
| 514 (18) | 17 | Out | | 250 | 5 | | 4 | | 1 | | 9 | | 1 | | 1 | | 1 | | 4 | | 17 | | 14 | | 8 | | 22 | | 0 | | 0 | | 0 | | 0 | |
| 514 (18) | 17 | Out | | 350 | 8 | | 2 | | 1 | | 4 | | 19 | | 5 | | 3 | | 7 | | 21 | | 5 | | 3 | | 8 | | 1 | | 0 | | 0 | | 1 | |
| 543 (5) | 20.1 | In | | 10 | 3 | | 5 | | 1 | | 14 | | 87 | | 139 | | 111 | | 171 | | 3 | | 5 | | 1 | | 14 | | 21 | | 34 | | 21 | | 51 | |
| 543 (5) | 20.1 | In | | 20 | 4 | | 8 | | 2 | | 20 | | 82 | | 157 | | 125 | | 195 | | 2 | | 4 | | 0 | | 14 | | 29 | | 56 | | 37 | | 80 | |
| 543 (5) | 20.1 | In | | 40 | 3 | | 5 | | 1 | | 14 | | 78 | | 129 | | 102 | | 161 | | 2 | | 3 | | 0 | | 12 | | 14 | | 23 | | 13 | | 39 | |
| 543 (5) | 20.1 | In | | 60 | 8 | | 13 | | 6 | | 25 | | 100 | | 160 | | 130 | | 194 | | 1 | | 2 | | 0 | | 9 | | 14 | | 22 | | 12 | | 38 | |
| 543 (5) | 20.1 | In | | 80 | 4 | | 6 | | 2 | | 16 | | 66 | | 105 | | 82 | | 134 | | 4 | | 6 | | 2 | | 16 | | 20 | | 32 | | 20 | | 49 | |
| 543 (5) | 20.1 | In | | 100 | 16 | | 14 | | 8 | | 23 | | 132 | | 115 | | 96 | | 136 | | 5 | | 4 | | 1 | | 10 | | 45 | | 39 | | 29 | | 52 | |
| 543 (5) | 20.1 | In | | 150 | 19 | | 15 | | 9 | | 24 | | 95 | | 76 | | 61 | | 93 | | 31 | | 25 | | 17 | | 35 | | 36 | | 29 | | 20 | | 40 | |
| 543 (5) | 20.1 | In | | 200 | 3 | | 2 | | 1 | | 7 | | 5 | | 4 | | 1 | | 9 | | 14 | | 11 | | 6 | | 19 | | 0 | | 0 | | 0 | | 0 | |
| 543 (5) | 20.1 | In | | 250 | 10 | | 2 | | 1 | | 4 | | 3 | | 1 | | 1 | | 2 | | 45 | | 11 | | 8 | | 14 | | 1 | | 0 | | 0 | | 1 | |
| 543 (5) | 20.1 | In | | 300 | 7 | | 2 | | 1 | | 3 | | 9 | | 2 | | 1 | | 4 | | 25 | | 6 | | 4 | | 9 | | 1 | | 0 | | 0 | | 1 | |
| 543 (5) | 20.1 | In | | 350 | 5 | | 1 | | 0 | | 3 | | 10 | | 3 | | 1 | | 5 | | 15 | | 4 | | 2 | | 6 | | 3 | | 1 | | 0 | | 2 | |
| 544 (6) | 21.8 | In | | 10 | 15 | | 12 | | 7 | | 20 | | 171 | | 137 | | 117 | | 159 | | 4 | | 3 | | 1 | | 8 | | 37 | | 30 | | 21 | | 41 | |
| 544 (6) | 21.8 | In | | 20 | 5 | | 10 | | 3 | | 22 | | 73 | | 140 | | 110 | | 176 | | 0 | | 0 | | 0 | | 0 | | 31 | | 59 | | 40 | | 84 | |
| 544 (6) | 21.8 | In | | 40 | 9 | | 14 | | 7 | | 27 | | 93 | | 149 | | 120 | | 182 | | 3 | | 5 | | 1 | | 14 | | 26 | | 42 | | 27 | | 61 | |
| 544 (6) | 21.8 | In | | 80 | 25 | | 20 | | 13 | | 29 | | 171 | | 137 | | 117 | | 159 | | 9 | | 7 | | 3 | | 14 | | 41 | | 33 | | 24 | | 44 | |
| 544 (6) | 21.8 | In | | 100 | 11 | | 9 | | 4 | | 16 | | 87 | | 70 | | 56 | | 86 | | 15 | | 12 | | 7 | | 20 | | 43 | | 34 | | 25 | | 46 | |
| 544 (6) | 21.8 | In | | 150 | 6 | | 5 | | 2 | | 10 | | 32 | | 26 | | 17 | | 36 | | 31 | | 25 | | 17 | | 35 | | 11 | | 9 | | 4 | | 16 | |
| 544 (6) | 21.8 | In | | 250 | 7 | | 2 | | 1 | | 3 | | 3 | | 1 | | 1 | | 2 | | 55 | | 13 | | 10 | | 17 | | 0 | | 0 | | 0 | | 0 | |
| 544 (6) | 21.8 | In | | 350 | 3 | | 1 | | 1 | | 2 | | 4 | | 1 | | 1 | | 2 | | 22 | | 5 | | 3 | | 8 | | 0 | | 0 | | 0 | | 0 | |
| 546 (19) | 26 | Out | | 10 | 10 | | 8 | | 4 | | 15 | | 50 | | 40 | | 30 | | 53 | | 4 | | 3 | | 1 | | 8 | | 1 | | 1 | | 0 | | 4 | |
| 546 (19) | 26 | Out | | 20 | 10 | | 19 | | 9 | | 35 | | 16 | | 31 | | 18 | | 50 | | 0 | | 0 | | 0 | | 0 | | 1 | | 2 | | 0 | | 11 | |
| 546 (19) | 26 | Out | | 40 | 17 | | 14 | | 8 | | 22 | | 72 | | 58 | | 45 | | 72 | | 0 | | 0 | | 0 | | 0 | | 4 | | 3 | | 1 | | 8 | |
| 546 (19) | 26 | Out | | 60 | 13 | | 10 | | 6 | | 18 | | 28 | | 22 | | 15 | | 32 | | 0 | | 0 | | 0 | | 0 | | 4 | | 3 | | 1 | | 8 | |
| 546 (19) | 26 | Out | | 80 | 15 | | 12 | | 7 | | 20 | | 53 | | 42 | | 32 | | 55 | | 8 | | 6 | | 3 | | 13 | | 21 | | 17 | | 10 | | 26 | |
| 546 (19) | 26 | Out | | 100 | 0 | | 0 | | 0 | | 0 | | 57 | | 46 | | 34 | | 59 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | |
| 546 (19) | 26 | Out | | 150 | 15 | | 12 | | 7 | | 20 | | 34 | | 27 | | 19 | | 38 | | 32 | | 26 | | 17 | | 36 | | 15 | | 12 | | 7 | | 20 | |
| 546 (19) | 26 | Out | | 200 | 12 | | 10 | | 5 | | 17 | | 4 | | 3 | | 1 | | 8 | | 43 | | 34 | | 25 | | 46 | | 0 | | 0 | | 0 | | 0 | |
| 546 (19) | 26 | Out | | 250 | 8 | | 2 | | 1 | | 4 | | 6 | | 1 | | 1 | | 3 | | 59 | | 14 | | 11 | | 18 | | 0 | | 0 | | 0 | | 0 | |
| 546 (19) | 26 | Out | | 300 | 5 | | 1 | | 1 | | 3 | | 8 | | 2 | | 1 | | 4 | | 14 | | 3 | | 2 | | 6 | | 0 | | 0 | | 0 | | 0 | |
| 546 (19) | 26 | Out | | 350 | 11 | | 3 | | 1 | | 5 | | 8 | | 2 | | 1 | | 4 | | 17 | | 4 | | 2 | | 6 | | 1 | | 0 | | 0 | | 1 | |
| 553 (11) | 28.1 | In | | 10 | 12 | | 10 | | 5 | | 17 | | 146 | | 117 | | 98 | | 137 | | 10 | | 8 | | 4 | | 15 | | 54 | | 43 | | 32 | | 56 | |
| 553 (11) | 28.1 | In | | 20 | 1 | | 2 | | 1 | | 11 | | 71 | | 136 | | 106 | | 172 | | 1 | | 2 | | 0 | | 11 | | 16 | | 31 | | 18 | | 50 | |
| 553 (11) | 28.1 | In | | 40 | 11 | | 9 | | 4 | | 16 | | 128 | | 102 | | 85 | | 122 | | 5 | | 4 | | 1 | | 9 | | 57 | | 46 | | 34 | | 59 | |
| 553 (11) | 28.1 | In | | 60 | 5 | | 8 | | 3 | | 19 | | 76 | | 121 | | 96 | | 152 | | 5 | | 8 | | 3 | | 19 | | 23 | | 37 | | 23 | | 55 | |
| 553 (11) | 28.1 | In | | 80 | 14 | | 11 | | 6 | | 19 | | 129 | | 103 | | 86 | | 122 | | 12 | | 10 | | 5 | | 17 | | 55 | | 44 | | 33 | | 57 | |
| 553 (11) | 28.1 | In | | 100 | 10 | | 8 | | 4 | | 15 | | 131 | | 105 | | 87 | | 124 | | 12 | | 10 | | 5 | | 17 | | 91 | | 73 | | 59 | | 89 | |
| 553 (11) | 28.1 | In | | 150 | 16 | | 13 | | 7 | | 21 | | 55 | | 44 | | 33 | | 57 | | 23 | | 18 | | 12 | | 28 | | 39 | | 31 | | 22 | | 43 | |
| 553 (11) | 28.1 | In | | 200 | 15 | | 12 | | 7 | | 20 | | 13 | | 10 | | 6 | | 18 | | 36 | | 29 | | 20 | | 40 | | 2 | | 2 | | 0 | | 6 | |
| 553 (11) | 28.1 | In | | 250 | 9 | | 7 | | 3 | | 14 | | 4 | | 3 | | 1 | | 8 | | 19 | | 15 | | 9 | | 24 | | 2 | | 2 | | 0 | | 6 | |
| 553 (11) | 28.1 | In | | 300 | 2 | | 1 | | 1 | | 2 | | 8 | | 2 | | 1 | | 4 | | 17 | | 4 | | 2 | | 6 | | 1 | | 0 | | 0 | | 1 | |
| 553 (11) | 28.1 | In | | 350 | 3 | | 1 | | 1 | | 2 | | 5 | | 1 | | 1 | | 3 | | 15 | | 4 | | 2 | | 6 | | 0 | | 0 | | 0 | | 0 | |
| 570 (14) | 30.5 | In | | 10 | 6 | | 10 | | 4 | | 21 | | 67 | | 108 | | 83 | | 137 | | 6 | | 10 | | 4 | | 21 | | 21 | | 34 | | 21 | | 52 | |
| 570 (14) | 30.5 | In | | 20 | 7 | | 11 | | 4 | | 23 | | 87 | | 139 | | 112 | | 172 | | 2 | | 3 | | 0 | | 12 | | 27 | | 43 | | 29 | | 63 | |
| 570 (14) | 30.5 | In | | 40 | 5 | | 9 | | 3 | | 21 | | 53 | | 93 | | 70 | | 122 | | 7 | | 12 | | 5 | | 25 | | 11 | | 19 | | 10 | | 35 | |
| 570 (14) | 30.5 | In | | 80 | 6 | | 9 | | 3 | | 20 | | 49 | | 76 | | 57 | | 101 | | 9 | | 14 | | 6 | | 27 | | 30 | | 47 | | 32 | | 67 | |
| 570 (14) | 30.5 | In | | 100 | 13 | | 21 | | 11 | | 36 | | 48 | | 77 | | 57 | | 102 | | 9 | | 14 | | 7 | | 27 | | 19 | | 31 | | 18 | | 48 | |
| 570 (14) | 30.5 | In | | 150 | 9 | | 14 | | 7 | | 27 | | 23 | | 37 | | 23 | | 55 | | 14 | | 22 | | 12 | | 38 | | 22 | | 35 | | 22 | | 53 | |
| 570 (14) | 30.5 | In | | 250 | 14 | | 3 | | 2 | | 6 | | 0 | | 0 | | 0 | | 0 | | 69 | | 16 | | 13 | | 21 | | 0 | | 0 | | 0 | | 0 | |
| 570 (14) | 30.5 | In | | 350 | 5 | | 1 | | 1 | | 3 | | 5 | | 1 | | 1 | | 3 | | 18 | | 4 | | 3 | | 7 | | 0 | | 0 | | 0 | | 0 | |
| 570 (14) | 30.5 | In | | 450 | 6 | | 1 | | 1 | | 3 | | 3 | | 1 | | 1 | | 2 | | 18 | | 4 | | 3 | | 7 | | 0 | | 0 | | 0 | | 0 | |
| 570 (14) | 30.5 | In | | 550 | 3 | | 1 | | 1 | | 2 | | 1 | | 1 | | 1 | | 1 | | 9 | | 2 | | 1 | | 4 | | 1 | | 0 | | 0 | | 1 | |
| 580 (12) | 32.4 | In | | 10 | 4 | | 6 | | 2 | | 16 | | 57 | | 92 | | 70 | | 119 | | 3 | | 5 | | 1 | | 14 | | 17 | | 27 | | 16 | | 44 | |
| 580 (12) | 32.4 | In | | 20 | 3 | | 5 | | 1 | | 15 | | 70 | | 123 | | 96 | | 155 | | 1 | | 2 | | 0 | | 10 | | 22 | | 39 | | 24 | | 59 | |
| 580 (12) | 32.4 | In | | 40 | 2 | | 3 | | 1 | | 11 | | 78 | | 122 | | 96 | | 152 | | 3 | | 5 | | 1 | | 14 | | 13 | | 20 | | 11 | | 35 | |
| 580 (12) | 32.4 | In | | 80 | 6 | | 10 | | 4 | | 21 | | 61 | | 98 | | 75 | | 126 | | 6 | | 10 | | 4 | | 21 | | 23 | | 37 | | 23 | | 55 | |
| 580 (12) | 32.4 | In | | 100 | 6 | | 10 | | 4 | | 22 | | 48 | | 81 | | 60 | | 108 | | 13 | | 22 | | 12 | | 38 | | 33 | | 56 | | 38 | | 78 | |
| 580 (12) | 32.4 | In | | 150 | 5 | | 8 | | 3 | | 19 | | 27 | | 44 | | 29 | | 64 | | 14 | | 23 | | 12 | | 38 | | 19 | | 31 | | 19 | | 48 | |
| 580 (12) | 32.4 | In | | 250 | 9 | | 4 | | 2 | | 8 | | 1 | | 1 | | 1 | | 3 | | 38 | | 18 | | 13 | | 25 | | 1 | | 0 | | 0 | | 3 | |
| 580 (12) | 32.4 | In | | 350 | 8 | | 2 | | 1 | | 4 | | 4 | | 1 | | 1 | | 2 | | 17 | | 4 | | 2 | | 6 | | 1 | | 0 | | 0 | | 1 | |
| 580 (12) | 32.4 | In | | 450 | 1 | | 1 | | 1 | | 1 | | 2 | | 1 | | 1 | | 2 | | 26 | | 7 | | 4 | | 10 | | 0 | | 0 | | 0 | | 0 | |
| 580 (12) | 32.4 | In | | 550 | 2 | | 1 | | 1 | | 2 | | 3 | | 1 | | 1 | | 2 | | 10 | | 2 | | 1 | | 4 | | 0 | | 0 | | 0 | | 0 | |
| 587 (14) | 34.1 | Out | | 10 | 6 | | 10 | | 4 | | 21 | | 28 | | 46 | | 30 | | 66 | | 1 | | 2 | | 0 | | 9 | | 0 | | 0 | | 0 | | 0 | |
| 587 (14) | 34.1 | Out | | 20 | 2 | | 3 | | 1 | | 12 | | 27 | | 44 | | 29 | | 64 | | 2 | | 3 | | 0 | | 12 | | 4 | | 7 | | 2 | | 17 | |
| 587 (14) | 34.1 | Out | | 40 | 7 | | 12 | | 5 | | 24 | | 36 | | 60 | | 42 | | 84 | | 1 | | 2 | | 0 | | 9 | | 4 | | 7 | | 2 | | 17 | |
| 587 (14) | 34.1 | Out | | 60 | 5 | | 8 | | 3 | | 20 | | 24 | | 40 | | 26 | | 60 | | 0 | | 0 | | 0 | | 0 | | 4 | | 7 | | 2 | | 17 | |
| 587 (14) | 34.1 | Out | | 80 | 6 | | 10 | | 3 | | 21 | | 30 | | 48 | | 32 | | 68 | | 3 | | 5 | | 1 | | 14 | | 3 | | 5 | | 1 | | 14 | |
| 587 (14) | 34.1 | Out | | 100 | 7 | | 11 | | 4 | | 23 | | 20 | | 32 | | 19 | | 49 | | 3 | | 5 | | 1 | | 14 | | 5 | | 8 | | 3 | | 18 | |
| 587 (14) | 34.1 | Out | | 150 | 12 | | 19 | | 10 | | 33 | | 32 | | 51 | | 35 | | 72 | | 14 | | 22 | | 12 | | 38 | | 9 | | 14 | | 7 | | 27 | |
| 587 (14) | 34.1 | Out | | 200 | 9 | | 7 | | 3 | | 14 | | 15 | | 12 | | 7 | | 20 | | 34 | | 27 | | 19 | | 38 | | 0 | | 0 | | 0 | | 0 | |
| 587 (14) | 34.1 | Out | | 250 | 13 | | 6 | | 3 | | 11 | | 5 | | 2 | | 1 | | 6 | | 34 | | 16 | | 11 | | 23 | | 0 | | 0 | | 0 | | 0 | |
| 587 (14) | 34.1 | Out | | 300 | 5 | | 1 | | 1 | | 3 | | 5 | | 1 | | 1 | | 3 | | 25 | | 6 | | 4 | | 9 | | 0 | | 0 | | 0 | | 0 | |
| 587 (14) | 34.1 | Out | | 350 | 7 | | 2 | | 1 | | 3 | | 8 | | 2 | | 1 | | 4 | | 39 | | 9 | | 7 | | 13 | | 0 | | 0 | | 0 | | 0 | |
| 587 (14) | 34.1 | Out | | 400 | 7 | | 2 | | 1 | | 3 | | 8 | | 2 | | 1 | | 4 | | 10 | | 2 | | 1 | | 4 | | 0 | | 0 | | 0 | | 0 | |
| 587 (14) | 34.1 | Out | | 450 | 3 | | 1 | | 1 | | 2 | | 7 | | 2 | | 1 | | 3 | | 10 | | 2 | | 1 | | 4 | | 1 | | 0.2 | | 0.003 | | 1 | |
| 587 (14) | 34.1 | Out | | 500 | 3 | | 1 | | 1 | | 2 | | 5 | | 1 | | 1 | | 3 | | 22 | | 5 | | 3 | | 8 | | 0 | | 0 | | 0 | | 0 | |
| 587 (14) | 34.1 | Out | | 550 | 5 | | 1 | | 1 | | 3 | | 6 | | 1 | | 1 | | 3 | | 17 | | 4 | | 2 | | 7 | | 0 | | 0 | | 0 | | 0 | |
| 593 (9) | 36.2 | In | | 10 | 9 | | 15 | | 7 | | 28 | | 54 | | 87 | | 65 | | 114 | | 3 | | 5 | | 1 | | 14 | | 13 | | 21 | | 11 | | 36 | |
| 593 (9) | 36.2 | In | | 20 | 11 | | 18 | | 9 | | 32 | | 57 | | 93 | | 71 | | 121 | | 12 | | 20 | | 10 | | 34 | | 20 | | 33 | | 20 | | 50 | |
| 593 (9) | 36.2 | In | | 40 | 8 | | 12 | | 5 | | 25 | | 70 | | 109 | | 85 | | 138 | | 3 | | 5 | | 1 | | 14 | | 4 | | 6 | | 2 | | 16 | |
| 593 (9) | 36.2 | In | | 60 | 9 | | 14 | | 7 | | 27 | | 64 | | 103 | | 79 | | 131 | | 5 | | 8 | | 3 | | 19 | | 10 | | 16 | | 8 | | 30 | |
| 593 (9) | 36.2 | In | | 80 | 6 | | 10 | | 4 | | 21 | | 42 | | 67 | | 49 | | 91 | | 8 | | 13 | | 6 | | 25 | | 9 | | 14 | | 7 | | 27 | |
| 593 (9) | 36.2 | In | | 100 | 7 | | 12 | | 5 | | 24 | | 65 | | 110 | | 85 | | 140 | | 1 | | 2 | | 0 | | 9 | | 11 | | 19 | | 9 | | 33 | |
| 593 (9) | 36.2 | In | | 150 | 5 | | 8 | | 3 | | 19 | | 40 | | 65 | | 46 | | 89 | | 17 | | 28 | | 16 | | 44 | | 12 | | 20 | | 10 | | 34 | |
| 593 (9) | 36.2 | In | | 200 | 6 | | 10 | | 4 | | 22 | | 13 | | 21 | | 11 | | 37 | | 21 | | 35 | | 21 | | 53 | | 1 | | 2 | | 0 | | 9 | |
| 593 (9) | 36.2 | In | | 250 | 11 | | 9 | | 4 | | 16 | | 5 | | 4 | | 1 | | 9 | | 22 | | 18 | | 11 | | 27 | | 2 | | 2 | | 0 | | 6 | |
| 593 (9) | 36.2 | In | | 300 | 7 | | 2 | | 1 | | 3 | | 12 | | 3 | | 1 | | 5 | | 33 | | 8 | | 5 | | 11 | | 0 | | 0 | | 0 | | 0 | |
| 593 (9) | 36.2 | In | | 350 | 6 | | 1 | | 1 | | 3 | | 7 | | 2 | | 1 | | 3 | | 16 | | 4 | | 2 | | 6 | | 0 | | 0 | | 0 | | 0 | |
| 593 (9) | 36.2 | In | | 400 | 4 | | 1 | | 1 | | 2 | | 5 | | 1 | | 1 | | 3 | | 18 | | 4 | | 3 | | 7 | | 2 | | 0 | | 0 | | 2 | |
| 593 (9) | 36.2 | In | | 450 | 3 | | 1 | | 1 | | 2 | | 6 | | 1 | | 1 | | 3 | | 22 | | 5 | | 3 | | 8 | | 2 | | 0 | | 0 | | 2 | |
| 593 (9) | 36.2 | In | | 500 | 4 | | 1 | | 1 | | 2 | | 0 | | 0 | | 0 | | 0 | | 16 | | 4 | | 2 | | 6 | | 1 | | 0 | | 0 | | 1 | |
| 593 (9) | 36.2 | In | | 550 | 2 | | 1 | | 1 | | 2 | | 6 | | 1 | | 1 | | 3 | | 15 | | 4 | | 2 | | 6 | | 2 | | 0 | | 0 | | 2 | |

**Supplementary Table III.** Temporal and vertical variation of tintinnids, empty and damaged lorica abundances during EIFEX.

Day, days since Fe-release; Ct., number of individuals counted; Ab., abundances (cells L-1); ±C.I.95, 95% confidence intervals for the abundance estimates.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | **Tintinnids** | | | | | **Empty loricae** | | | | | **Damaged loricae** | | | | |
| Station (cast) | Day | In/Out | Depth (m) | | Ct. | Ab. | –C.I.95 | + C.I.95 | | Ct. | Ab. | –C.I.95 | + C.I.95 | | Ct. | Ab. | –C.I.95 | + C.I.95 | |
| 424 (22) | -0.7 |  | 10 | | 43 | 34 | 25 | 46 | | 275 | 220 | 194 | 247 | | 47 | 38 | 28 | 50 | |
| 424 (22) | -0.7 |  | 20 | | 71 | 125 | 98 | 158 | | 213 | 376 | 327 | 430 | | 47 | 83 | 61 | 110 | |
| 424 (22) | -0.7 |  | 40 | | 38 | 31 | 22 | 42 | | 234 | 190 | 167 | 216 | | 56 | 46 | 34 | 59 | |
| 424 (22) | -0.7 |  | 80 | | 130 | 102 | 85 | 121 | | 373 | 293 | 264 | 324 | | 160 | 126 | 107 | 147 | |
| 424 (22) | -0.7 |  | 100 | | 133 | 106 | 89 | 126 | | 466 | 372 | 339 | 408 | | 121 | 97 | 80 | 115 | |
| 424 (22) | -0.7 |  | 150 | | 101 | 81 | 66 | 98 | | 256 | 205 | 180 | 231 | | 98 | 78 | 64 | 95 | |
| 424 (22) | -0.7 |  | 200 | | 54 | 42 | 32 | 55 | | 167 | 131 | 112 | 153 | | 65 | 51 | 39 | 65 | |
| 424 (22) | -0.7 |  | 250 | | 26 | 21 | 14 | 30 | | 152 | 121 | 103 | 142 | | 67 | 54 | 41 | 68 | |
| 424 (22) | -0.7 |  | 300 | | 8 | 2 | 1 | 4 | | 217 | 52 | 45 | 59 | | 139 | 33 | 28 | 39 | |
| 424 (22) | -0.7 |  | 350 | | 1 | 1 | 1 | 5 | | 51 | 41 | 31 | 55 | | 44 | 36 | 26 | 48 | |
| 427 (6) | 0.9 | Out | 10 | | 63 | 50 | 39 | 64 | | 380 | 304 | 274 | 336 | | 114 | 91 | 75 | 109 | |
| 427 (6) | 0.9 | Out | 20 | | 24 | 94 | 60 | 139 | | 109 | 425 | 349 | 513 | | 14 | 55 | 30 | 92 | |
| 427 (6) | 0.9 | Out | 40 | | 69 | 55 | 43 | 70 | | 383 | 306 | 276 | 338 | | 107 | 85 | 70 | 103 | |
| 427 (6) | 0.9 | Out | 80 | | 101 | 81 | 66 | 98 | | 297 | 237 | 211 | 266 | | 140 | 112 | 94 | 132 | |
| 427 (6) | 0.9 | Out | 100 | | 139 | 111 | 93 | 131 | | 342 | 273 | 245 | 304 | | 141 | 113 | 95 | 133 | |
| 427 (6) | 0.9 | Out | 150 | | 66 | 57 | 44 | 73 | | 139 | 121 | 102 | 143 | | 64 | 56 | 43 | 71 | |
| 427 (6) | 0.9 | Out | 250 | | 57 | 14 | 10 | 18 | | 206 | 49 | 42 | 56 | | 218 | 52 | 45 | 59 | |
| 427 (6) | 0.9 | Out | 350 | | 1 | 0.2 | 0.003 | 1 | | 130 | 31 | 26 | 37 | | 118 | 29 | 24 | 34 | |
| 508 (22) | 9.9 | In | 10 | | 114 | 91 | 75 | 109 | | 355 | 284 | 255 | 315 | | 137 | 109 | 92 | 129 | |
| 508 (22) | 9.9 | In | 20 | | 96 | 77 | 62 | 94 | | 324 | 259 | 231 | 289 | | 154 | 123 | 104 | 144 | |
| 508 (22) | 9.9 | In | 40 | | 117 | 93 | 77 | 112 | | 355 | 284 | 255 | 315 | | 147 | 117 | 99 | 138 | |
| 508 (22) | 9.9 | In | 60 | | 100 | 80 | 65 | 97 | | 340 | 272 | 244 | 302 | | 121 | 97 | 80 | 115 | |
| 508 (22) | 9.9 | In | 80 | | 93 | 74 | 60 | 91 | | 298 | 238 | 212 | 267 | | 163 | 130 | 111 | 152 | |
| 508 (22) | 9.9 | In | 100 | | 121 | 97 | 80 | 115 | | 359 | 287 | 258 | 318 | | 165 | 132 | 112 | 154 | |
| 508 (22) | 9.9 | In | 150 | | 71 | 57 | 44 | 72 | | 193 | 154 | 133 | 178 | | 103 | 82 | 67 | 100 | |
| 508 (22) | 9.9 | In | 200 | | 42 | 20 | 14 | 27 | | 271 | 129 | 114 | 145 | | 124 | 59 | 49 | 70 | |
| 508 (22) | 9.9 | In | 250 | | 4 | 3 | 1 | 8 | | 141 | 113 | 95 | 133 | | 140 | 112 | 94 | 132 | |
| 508 (22) | 9.9 | In | 300 | | 9 | 2 | 1 | 4 | | 303 | 72 | 64 | 81 | | 181 | 43 | 37 | 50 | |
| 508 (22) | 9.9 | In | 350 | | 4 | 1 | 0.3 | 2 | | 106 | 25 | 21 | 30 | | 91 | 22 | 17 | 27 | |
| 509 (16) | 10.6 | Out | 10 | | 109 | 87 | 71 | 105 | | 383 | 306 | 276 | 338 | | 156 | 125 | 106 | 146 | |
| 509 (16) | 10.6 | Out | 20 | | 39 | 75 | 53 | 102 | | 147 | 282 | 238 | 331 | | 29 | 56 | 37 | 80 | |
| 509 (16) | 10.6 | Out | 40 | | 70 | 56 | 44 | 71 | | 337 | 269 | 241 | 300 | | 88 | 70 | 56 | 87 | |
| 509 (16) | 10.6 | Out | 80 | | 183 | 146 | 126 | 169 | | 262 | 209 | 185 | 236 | | 115 | 92 | 76 | 110 | |
| 509 (16) | 10.6 | Out | 100 | | 107 | 85 | 70 | 103 | | 231 | 185 | 162 | 210 | | 86 | 69 | 55 | 85 | |
| 509 (16) | 10.6 | Out | 150 | | 47 | 38 | 28 | 50 | | 166 | 133 | 113 | 154 | | 80 | 64 | 51 | 80 | |
| 509 (16) | 10.6 | Out | 200 | | 16 | 4 | 2 | 6 | | 259 | 62 | 54 | 69 | | 105 | 25 | 20 | 30 | |
| 509 (16) | 10.6 | Out | 250 | | 22 | 18 | 11 | 27 | | 87 | 70 | 56 | 86 | | 33 | 26 | 18 | 37 | |
| 509 (16) | 10.6 | Out | 300 | | 1 | 0.2 | 0.003 | 1 | | 228 | 54 | 47 | 62 | | 111 | 26 | 22 | 32 | |
| 509 (16) | 10.6 | Out | 350 | | 2 | 0.5 | 0.05 | 2 | | 237 | 56 | 49 | 64 | | 102 | 24 | 20 | 29 | |
| 511 (12) | 12 | In | 10 | | 131 | 105 | 87 | 124 | | 324 | 259 | 231 | 289 | | 151 | 121 | 102 | 141 | |
| 511 (12) | 12 | In | 20 | | 59 | 113 | 86 | 146 | | 215 | 412 | 359 | 471 | | 51 | 98 | 73 | 129 | |
| 511 (12) | 12 | In | 40 | | 106 | 88 | 72 | 106 | | 295 | 244 | 217 | 273 | | 107 | 88 | 73 | 107 | |
| 511 (12) | 12 | In | 80 | | 92 | 80 | 64 | 98 | | 304 | 264 | 235 | 296 | | 151 | 131 | 111 | 154 | |
| 511 (12) | 12 | In | 100 | | 156 | 125 | 106 | 146 | | 297 | 237 | 211 | 266 | | 138 | 110 | 93 | 130 | |
| 511 (12) | 12 | In | 150 | | 100 | 80 | 65 | 97 | | 232 | 185 | 162 | 211 | | 147 | 117 | 99 | 138 | |
| 511 (12) | 12 | In | 250 | | 12 | 3 | 1 | 5 | | 407 | 97 | 87 | 107 | | 238 | 57 | 50 | 64 | |
| 511 (12) | 12 | In | 350 | | 3 | 1 | 0.1 | 2 | | 200 | 48 | 41 | 55 | | 116 | 28 | 23 | 33 | |
| 514 (18) | 17 | Out | 10 | | 30 | 24 | 16 | 34 | | 157 | 125 | 107 | 147 | | 42 | 34 | 24 | 45 | |
| 514 (18) | 17 | Out | 20 | | 12 | 23 | 12 | 40 | | 68 | 130 | 101 | 165 | | 22 | 42 | 26 | 64 | |
| 514 (18) | 17 | Out | 40 | | 34 | 27 | 19 | 38 | | 121 | 97 | 80 | 115 | | 74 | 59 | 46 | 74 | |
| 514 (18) | 17 | Out | 80 | | 76 | 61 | 48 | 76 | | 157 | 125 | 107 | 147 | | 73 | 58 | 46 | 73 | |
| 514 (18) | 17 | Out | 100 | | 112 | 89 | 74 | 108 | | 154 | 123 | 104 | 144 | | 74 | 59 | 46 | 74 | |
| 514 (18) | 17 | Out | 150 | | 70 | 56 | 44 | 71 | | 176 | 141 | 121 | 163 | | 75 | 60 | 47 | 75 | |
| 514 (18) | 17 | Out | 250 | | 6 | 5 | 2 | 10 | | 80 | 64 | 51 | 80 | | 50 | 40 | 30 | 53 | |
| 514 (18) | 17 | Out | 350 | | 3 | 1 | 0.1 | 2 | | 208 | 49 | 43 | 57 | | 110 | 26 | 21 | 31 | |
| 543 (5) | 20.1 | In | 10 | | 83 | 133 | 106 | 164 | | 144 | 230 | 194 | 271 | | 101 | 161 | 131 | 196 | |
| 543 (5) | 20.1 | In | 20 | | 86 | 165 | 132 | 204 | | 220 | 422 | 368 | 481 | | 61 | 117 | 89 | 150 | |
| 543 (5) | 20.1 | In | 40 | | 77 | 127 | 100 | 159 | | 172 | 284 | 243 | 330 | | 94 | 155 | 126 | 190 | |
| 543 (5) | 20.1 | In | 60 | | 101 | 161 | 131 | 196 | | 148 | 236 | 200 | 278 | | 84 | 134 | 107 | 166 | |
| 543 (5) | 20.1 | In | 80 | | 56 | 89 | 68 | 116 | | 186 | 297 | 256 | 343 | | 96 | 153 | 124 | 187 | |
| 543 (5) | 20.1 | In | 100 | | 252 | 219 | 193 | 248 | | 277 | 241 | 213 | 271 | | 160 | 139 | 118 | 162 | |
| 543 (5) | 20.1 | In | 150 | | 68 | 54 | 42 | 69 | | 151 | 121 | 102 | 141 | | 106 | 85 | 69 | 102 | |
| 543 (5) | 20.1 | In | 200 | | 7 | 6 | 2 | 12 | | 94 | 75 | 61 | 92 | | 37 | 30 | 21 | 41 | |
| 543 (5) | 20.1 | In | 250 | | 23 | 5 | 3 | 8 | | 278 | 66 | 58 | 74 | | 159 | 38 | 32 | 44 | |
| 543 (5) | 20.1 | In | 300 | | 14 | 3 | 2 | 6 | | 273 | 65 | 57 | 73 | | 138 | 33 | 28 | 39 | |
| 543 (5) | 20.1 | In | 350 | | 11 | 3 | 1 | 5 | | 169 | 44 | 37 | 51 | | 90 | 23 | 19 | 29 | |
| 544 (6) | 21.8 | In | 10 | | 277 | 221 | 196 | 249 | | 367 | 293 | 264 | 325 | | 161 | 129 | 110 | 150 | |
| 544 (6) | 21.8 | In | 20 | | 126 | 242 | 201 | 288 | | 221 | 424 | 370 | 483 | | 63 | 121 | 93 | 155 | |
| 544 (6) | 21.8 | In | 40 | | 97 | 155 | 126 | 189 | | 173 | 276 | 237 | 321 | | 81 | 129 | 103 | 161 | |
| 544 (6) | 21.8 | In | 80 | | 203 | 162 | 141 | 186 | | 309 | 247 | 220 | 276 | | 168 | 134 | 115 | 156 | |
| 544 (6) | 21.8 | In | 100 | | 126 | 101 | 84 | 120 | | 242 | 193 | 170 | 219 | | 119 | 95 | 79 | 114 | |
| 544 (6) | 21.8 | In | 150 | | 30 | 24 | 16 | 34 | | 146 | 117 | 98 | 137 | | 81 | 65 | 51 | 80 | |
| 544 (6) | 21.8 | In | 250 | | 9 | 2 | 1 | 4 | | 304 | 72 | 64 | 81 | | 138 | 33 | 28 | 39 | |
| 544 (6) | 21.8 | In | 350 | | 1 | 0.2 | 0.003 | 1 | | 215 | 51 | 44 | 58 | | 100 | 24 | 19 | 29 | |
| 546 (19) | 26 | Out | 10 | | 8 | 6 | 3 | 13 | | 60 | 48 | 37 | 62 | | 36 | 29 | 20 | 40 | |
| 546 (19) | 26 | Out | 20 | | 7 | 13 | 5 | 28 | | 65 | 125 | 96 | 159 | | 6 | 12 | 4 | 25 | |
| 546 (19) | 26 | Out | 40 | | 6 | 5 | 2 | 10 | | 52 | 42 | 31 | 54 | | 49 | 39 | 29 | 52 | |
| 546 (19) | 26 | Out | 60 | | 9 | 7 | 3 | 14 | | 43 | 34 | 25 | 46 | | 20 | 16 | 10 | 25 | |
| 546 (19) | 26 | Out | 80 | | 230 | 184 | 161 | 209 | | 78 | 62 | 49 | 78 | | 51 | 41 | 30 | 54 | |
| 546 (19) | 26 | Out | 100 | | 0 | 0 | 0 | 0 | | 51 | 41 | 30 | 54 | | 29 | 23 | 16 | 33 | |
| 546 (19) | 26 | Out | 150 | | 42 | 34 | 24 | 45 | | 101 | 81 | 66 | 98 | | 45 | 36 | 26 | 48 | |
| 546 (19) | 26 | Out | 200 | | 21 | 17 | 10 | 26 | | 91 | 73 | 59 | 89 | | 42 | 34 | 24 | 45 | |
| 546 (19) | 26 | Out | 250 | | 44 | 10 | 8 | 14 | | 260 | 62 | 54 | 70 | | 122 | 29 | 24 | 35 | |
| 546 (19) | 26 | Out | 300 | | 7 | 2 | 1 | 3 | | 176 | 42 | 36 | 48 | | 102 | 24 | 20 | 29 | |
| 546 (19) | 26 | Out | 350 | | 4 | 1 | 0.3 | 2 | | 152 | 36 | 31 | 42 | | 93 | 22 | 18 | 27 | |
| 553 (11) | 28.1 | In | 10 | | 228 | 182 | 159 | 207 | | 269 | 215 | 190 | 242 | | 115 | 92 | 76 | 110 | |
| 553 (11) | 28.1 | In | 20 | | 130 | 249 | 208 | 296 | | 169 | 324 | 277 | 377 | | 24 | 46 | 29 | 68 | |
| 553 (11) | 28.1 | In | 40 | | 206 | 165 | 143 | 189 | | 262 | 209 | 185 | 236 | | 115 | 92 | 76 | 110 | |
| 553 (11) | 28.1 | In | 60 | | 121 | 193 | 160 | 231 | | 139 | 222 | 187 | 262 | | 41 | 65 | 47 | 89 | |
| 553 (11) | 28.1 | In | 80 | | 228 | 182 | 159 | 207 | | 298 | 238 | 212 | 267 | | 157 | 125 | 107 | 147 | |
| 553 (11) | 28.1 | In | 100 | | 231 | 185 | 162 | 210 | | 310 | 248 | 221 | 277 | | 160 | 128 | 109 | 149 | |
| 553 (11) | 28.1 | In | 150 | | 58 | 46 | 35 | 60 | | 157 | 125 | 107 | 147 | | 88 | 70 | 56 | 87 | |
| 553 (11) | 28.1 | In | 200 | | 28 | 22 | 15 | 32 | | 154 | 123 | 104 | 144 | | 68 | 54 | 42 | 69 | |
| 553 (11) | 28.1 | In | 250 | | 6 | 5 | 2 | 10 | | 105 | 84 | 69 | 102 | | 81 | 65 | 51 | 80 | |
| 553 (11) | 28.1 | In | 300 | | 2 | 0.5 | 0.05 | 2 | | 213 | 51 | 44 | 58 | | 101 | 24 | 20 | 29 | |
| 553 (11) | 28.1 | In | 350 | | 1 | 0.2 | 0.003 | 1 | | 171 | 41 | 35 | 47 | | 88 | 21 | 17 | 26 | |
| 570 (14) | 30.5 | In | 10 | | 70 | 112 | 88 | 142 | | 125 | 201 | 167 | 239 | | 67 | 108 | 83 | 137 | |
| 570 (14) | 30.5 | In | 20 | | 70 | 112 | 87 | 142 | | 170 | 273 | 233 | 317 | | 62 | 99 | 76 | 127 | |
| 570 (14) | 30.5 | In | 40 | | 42 | 74 | 53 | 100 | | 93 | 164 | 132 | 201 | | 48 | 85 | 62 | 112 | |
| 570 (14) | 30.5 | In | 80 | | 173 | 270 | 231 | 313 | | 85 | 132 | 106 | 164 | | 47 | 73 | 54 | 97 | |
| 570 (14) | 30.5 | In | 100 | | 146 | 235 | 198 | 276 | | 86 | 138 | 111 | 171 | | 54 | 87 | 65 | 113 | |
| 570 (14) | 30.5 | In | 150 | | 29 | 46 | 31 | 67 | | 64 | 102 | 79 | 131 | | 40 | 64 | 46 | 87 | |
| 570 (14) | 30.5 | In | 250 | | 12 | 3 | 1 | 5 | | 265 | 63 | 56 | 71 | | 181 | 43 | 37 | 50 | |
| 570 (14) | 30.5 | In | 350 | | 2 | 0.5 | 0.05 | 2 | | 204 | 48 | 42 | 56 | | 163 | 39 | 33 | 45 | |
| 570 (14) | 30.5 | In | 450 | | 3 | 1 | 0.1 | 2 | | 145 | 34 | 29 | 41 | | 123 | 29 | 24 | 35 | |
| 570 (14) | 30.5 | In | 550 | | 1 | 0.2 | 0.003 | 1 | | 157 | 37 | 32 | 44 | | 76 | 18 | 14 | 23 | |
| 580 (12) | 32.4 | In | 10 | | 97 | 156 | 127 | 191 | | 96 | 155 | 125 | 189 | | 88 | 142 | 114 | 175 | |
| 580 (12) | 32.4 | In | 20 | | 114 | 200 | 165 | 241 | | 153 | 269 | 228 | 315 | | 57 | 100 | 76 | 130 | |
| 580 (12) | 32.4 | In | 40 | | 106 | 165 | 135 | 200 | | 127 | 198 | 165 | 236 | | 89 | 139 | 111 | 171 | |
| 580 (12) | 32.4 | In | 80 | | 108 | 173 | 142 | 209 | | 110 | 176 | 145 | 213 | | 53 | 85 | 64 | 111 | |
| 580 (12) | 32.4 | In | 100 | | 151 | 256 | 217 | 300 | | 148 | 251 | 212 | 294 | | 81 | 137 | 109 | 171 | |
| 580 (12) | 32.4 | In | 150 | | 39 | 63 | 45 | 87 | | 80 | 130 | 103 | 162 | | 46 | 75 | 55 | 100 | |
| 580 (12) | 32.4 | In | 250 | | 16 | 8 | 4 | 12 | | 174 | 83 | 71 | 96 | | 126 | 60 | 50 | 71 | |
| 580 (12) | 32.4 | In | 350 | | 3 | 1 | 0.1 | 2 | | 308 | 73 | 65 | 82 | | 191 | 45 | 39 | 52 | |
| 580 (12) | 32.4 | In | 450 | | 7 | 2 | 1 | 4 | | 161 | 42 | 35 | 49 | | 104 | 27 | 22 | 33 | |
| 580 (12) | 32.4 | In | 550 | | 1 | 0.2 | 0.003 | 1 | | 147 | 35 | 29 | 41 | | 112 | 27 | 22 | 32 | |
| 587 (14) | 34.1 | Out | 10 | | 6 | 10 | 4 | 21 | | 16 | 26 | 15 | 43 | | 23 | 38 | 24 | 57 | |
| 587 (14) | 34.1 | Out | 20 | | 5 | 8 | 3 | 19 | | 23 | 37 | 24 | 56 | | 22 | 36 | 22 | 54 | |
| 587 (14) | 34.1 | Out | 40 | | 8 | 13 | 6 | 26 | | 22 | 37 | 23 | 56 | | 20 | 34 | 21 | 52 | |
| 587 (14) | 34.1 | Out | 60 | | 7 | 12 | 5 | 24 | | 24 | 40 | 26 | 60 | | 19 | 32 | 19 | 50 | |
| 587 (14) | 34.1 | Out | 80 | | 25 | 40 | 26 | 58 | | 18 | 29 | 17 | 45 | | 32 | 51 | 35 | 72 | |
| 587 (14) | 34.1 | Out | 100 | | 42 | 66 | 48 | 90 | | 15 | 24 | 13 | 39 | | 27 | 43 | 28 | 62 | |
| 587 (14) | 34.1 | Out | 150 | | 18 | 29 | 17 | 45 | | 22 | 35 | 22 | 53 | | 32 | 51 | 35 | 72 | |
| 587 (14) | 34.1 | Out | 200 | | 22 | 18 | 11 | 27 | | 86 | 69 | 55 | 85 | | 45 | 36 | 26 | 48 | |
| 587 (14) | 34.1 | Out | 250 | | 11 | 5 | 3 | 9 | | 99 | 47 | 38 | 57 | | 89 | 42 | 34 | 52 | |
| 587 (14) | 34.1 | Out | 300 | | 7 | 2 | 1 | 3 | | 162 | 38 | 33 | 45 | | 90 | 21 | 17 | 26 | |
| 587 (14) | 34.1 | Out | 350 | | 3 | 1 | 0 | 2 | | 138 | 33 | 28 | 39 | | 122 | 29 | 24 | 35 | |
| 587 (14) | 34.1 | Out | 400 | | 5 | 1 | 0 | 3 | | 126 | 30 | 25 | 36 | | 73 | 17 | 14 | 22 | |
| 587 (14) | 34.1 | Out | 450 | | 1 | 0.2 | 0.003 | 1 | | 110 | 26 | 21 | 31 | | 76 | 18 | 14 | 23 | |
| 587 (14) | 34.1 | Out | 500 | | 2 | 0.5 | 0.05 | 2 | | 117 | 28 | 23 | 34 | | 65 | 16 | 12 | 20 | |
| 587 (14) | 34.1 | Out | 550 | | 0 | 0 | 0 | 0 | | 83 | 20 | 16 | 25 | | 77 | 19 | 15 | 23 | |
| 593 (9) | 36.2 | In | 10 | | 93 | 150 | 121 | 184 | | 107 | 172 | 141 | 208 | | 58 | 93 | 71 | 121 | |
| 593 (9) | 36.2 | In | 20 | | 98 | 160 | 130 | 195 | | 117 | 191 | 158 | 229 | | 47 | 77 | 56 | 102 | |
| 593 (9) | 36.2 | In | 40 | | 101 | 157 | 128 | 191 | | 101 | 157 | 128 | 191 | | 82 | 128 | 102 | 159 | |
| 593 (9) | 36.2 | In | 60 | | 131 | 210 | 176 | 250 | | 107 | 172 | 141 | 208 | | 79 | 127 | 100 | 158 | |
| 593 (9) | 36.2 | In | 80 | | 105 | 169 | 138 | 204 | | 100 | 161 | 131 | 195 | | 46 | 74 | 54 | 99 | |
| 593 (9) | 36.2 | In | 100 | | 104 | 176 | 144 | 213 | | 131 | 222 | 186 | 263 | | 70 | 119 | 92 | 150 | |
| 593 (9) | 36.2 | In | 150 | | 45 | 73 | 53 | 98 | | 59 | 96 | 73 | 124 | | 39 | 63 | 45 | 87 | |
| 593 (9) | 36.2 | In | 200 | | 18 | 30 | 18 | 47 | | 50 | 83 | 61 | 109 | | 31 | 51 | 35 | 73 | |
| 593 (9) | 36.2 | In | 250 | | 13 | 10 | 6 | 18 | | 76 | 61 | 48 | 76 | | 48 | 38 | 28 | 51 | |
| 593 (9) | 36.2 | In | 300 | | 5 | 1 | 0.4 | 3 | | 241 | 57 | 50 | 65 | | 117 | 28 | 23 | 33 | |
| 593 (9) | 36.2 | In | 350 | | 7 | 2 | 1 | 3 | | 167 | 40 | 34 | 46 | | 102 | 24 | 20 | 29 | |
| 593 (9) | 36.2 | In | 400 | | 4 | 1 | 0.3 | 2 | | 157 | 37 | 32 | 44 | | 82 | 19 | 15 | 24 | |
| 593 (9) | 36.2 | In | 450 | | 6 | 1 | 1 | 3 | | 146 | 35 | 29 | 41 | | 99 | 24 | 19 | 29 | |
| 593 (9) | 36.2 | In | 500 | | 1 | 0.2 | 0.003 | 1 | | 90 | 21 | 17 | 26 | | 50 | 12 | 9 | 16 | |
| 593 (9) | 36.2 | In | 550 | | 2 | 0.5 | 0.05 | 2 | | 119 | 28 | 23 | 34 | | 87 | 21 | 17 | 25 | |

**Supplementary Table IV.** Temporal and vertical variation of pallium-feeding and peduncle-feeding dinoflagellate abundances during EIFEX.

Day, days since Fe-release; Ct., number of individuals counted; Ab., abundances (cells L-1); ±C.I.95, 95% confidence intervals for the abundance estimates.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | **Pallium-feeding dinoflagellates** | | | | | **Peduncle-feeding dinoflagellates** | | | | |
| Station (cast) | Day | In/Out | Depth (m) | | Ct. | Ab. | –C.I.95 | + C.I.95 | | Ct. | Ab. | –C.I.95 | + C.I.95 | |
| 424 (22) | -0.7 |  | 10 | | 95 | 76 | 61 | 93 | | 1 | 1 | 0.01 | 4 | |
| 424 (22) | -0.7 |  | 20 | | 46 | 81 | 59 | 108 | | 0 | 0 | 0 | 0 | |
| 424 (22) | -0.7 |  | 40 | | 71 | 58 | 45 | 73 | | 0 | 0 | 0 | 0 | |
| 424 (22) | -0.7 |  | 80 | | 95 | 75 | 60 | 91 | | 2 | 2 | 0.2 | 6 | |
| 424 (22) | -0.7 |  | 100 | | 162 | 129 | 110 | 151 | | 8 | 6 | 3 | 13 | |
| 424 (22) | -0.7 |  | 150 | | 91 | 73 | 59 | 89 | | 13 | 10 | 6 | 18 | |
| 424 (22) | -0.7 |  | 200 | | 111 | 87 | 72 | 105 | | 58 | 46 | 35 | 59 | |
| 424 (22) | -0.7 |  | 250 | | 82 | 66 | 52 | 81 | | 253 | 202 | 178 | 229 | |
| 424 (22) | -0.7 |  | 300 | | 33 | 8 | 5 | 11 | | 196 | 47 | 40 | 54 | |
| 424 (22) | -0.7 |  | 350 | | 7 | 6 | 2 | 12 | | 2 | 2 | 0.2 | 6 | |
| 427 (6) | 0.9 | Out | 10 | | 156 | 125 | 106 | 146 | | 6 | 5 | 2 | 10 | |
| 427 (6) | 0.9 | Out | 20 | | 22 | 86 | 54 | 130 | | 0 | 0 | 0 | 0 | |
| 427 (6) | 0.9 | Out | 40 | | 155 | 124 | 105 | 145 | | 9 | 7 | 3 | 14 | |
| 427 (6) | 0.9 | Out | 80 | | 59 | 47 | 36 | 61 | | 0 | 0 | 0 | 0 | |
| 427 (6) | 0.9 | Out | 100 | | 79 | 63 | 50 | 79 | | 2 | 2 | 0 | 6 | |
| 427 (6) | 0.9 | Out | 150 | | 72 | 63 | 49 | 79 | | 32 | 28 | 19 | 39 | |
| 427 (6) | 0.9 | Out | 250 | | 225 | 53 | 47 | 61 | | 499 | 119 | 108 | 129 | |
| 427 (6) | 0.9 | Out | 350 | | 5 | 1 | 0.4 | 3 | | 19 | 5 | 3 | 7 | |
| 508 (22) | 9.9 | In | 10 | | 109 | 87 | 71 | 105 | | 1 | 1 | 0.01 | 4 | |
| 508 (22) | 9.9 | In | 20 | | 134 | 107 | 90 | 127 | | 6 | 5 | 2 | 10 | |
| 508 (22) | 9.9 | In | 40 | | 115 | 92 | 76 | 110 | | 1 | 1 | 0.01 | 4 | |
| 508 (22) | 9.9 | In | 60 | | 73 | 58 | 46 | 73 | | 3 | 2 | 0.5 | 7 | |
| 508 (22) | 9.9 | In | 80 | | 72 | 58 | 45 | 72 | | 1 | 1 | 0.01 | 4 | |
| 508 (22) | 9.9 | In | 100 | | 71 | 57 | 44 | 72 | | 4 | 3 | 1 | 8 | |
| 508 (22) | 9.9 | In | 150 | | 130 | 104 | 87 | 123 | | 44 | 35 | 26 | 47 | |
| 508 (22) | 9.9 | In | 200 | | 229 | 109 | 95 | 124 | | 152 | 72 | 61 | 85 | |
| 508 (22) | 9.9 | In | 250 | | 88 | 70 | 56 | 87 | | 188 | 150 | 129 | 173 | |
| 508 (22) | 9.9 | In | 300 | | 50 | 12 | 9 | 16 | | 108 | 26 | 21 | 31 | |
| 508 (22) | 9.9 | In | 350 | | 8 | 2 | 1 | 4 | | 13 | 3 | 2 | 5 | |
| 509 (16) | 10.6 | Out | 10 | | 129 | 103 | 86 | 122 | | 2 | 2 | 0.2 | 6 | |
| 509 (16) | 10.6 | Out | 20 | | 29 | 56 | 37 | 80 | | 1 | 2 | 0.03 | 11 | |
| 509 (16) | 10.6 | Out | 40 | | 71 | 57 | 44 | 72 | | 2 | 2 | 0.2 | 6 | |
| 509 (16) | 10.6 | Out | 80 | | 42 | 34 | 24 | 45 | | 2 | 2 | 0.2 | 6 | |
| 509 (16) | 10.6 | Out | 100 | | 39 | 31 | 22 | 43 | | 13 | 10 | 6 | 18 | |
| 509 (16) | 10.6 | Out | 150 | | 160 | 128 | 109 | 149 | | 225 | 180 | 157 | 205 | |
| 509 (16) | 10.6 | Out | 200 | | 78 | 19 | 15 | 23 | | 120 | 29 | 24 | 34 | |
| 509 (16) | 10.6 | Out | 250 | | 25 | 20 | 13 | 29 | | 11 | 9 | 4 | 16 | |
| 509 (16) | 10.6 | Out | 300 | | 13 | 3 | 2 | 5 | | 5 | 1 | 0.4 | 3 | |
| 509 (16) | 10.6 | Out | 350 | | 12 | 3 | 1 | 5 | | 4 | 1 | 0.3 | 2 | |
| 511 (12) | 12 | In | 10 | | 130 | 104 | 87 | 123 | | 3 | 2 | 0.5 | 7 | |
| 511 (12) | 12 | In | 20 | | 34 | 65 | 45 | 91 | | 1 | 2 | 0.03 | 11 | |
| 511 (12) | 12 | In | 40 | | 89 | 74 | 59 | 91 | | 0 | 0 | 0 | 0 | |
| 511 (12) | 12 | In | 80 | | 95 | 83 | 67 | 101 | | 0 | 0 | 0 | 0 | |
| 511 (12) | 12 | In | 100 | | 67 | 54 | 41 | 68 | | 0 | 0 | 0 | 0 | |
| 511 (12) | 12 | In | 150 | | 59 | 47 | 36 | 61 | | 1 | 1 | 0.01 | 4 | |
| 511 (12) | 12 | In | 250 | | 104 | 25 | 20 | 30 | | 329 | 78 | 70 | 87 | |
| 511 (12) | 12 | In | 350 | | 12 | 3 | 1 | 5 | | 16 | 4 | 2 | 6 | |
| 514 (18) | 17 | Out | 10 | | 21 | 17 | 10 | 26 | | 0 | 0 | 0 | 0 | |
| 514 (18) | 17 | Out | 20 | | 3 | 6 | 1 | 17 | | 0 | 0 | 0 | 0 | |
| 514 (18) | 17 | Out | 40 | | 26 | 21 | 14 | 30 | | 0 | 0 | 0 | 0 | |
| 514 (18) | 17 | Out | 80 | | 20 | 16 | 10 | 25 | | 0 | 0 | 0 | 0 | |
| 514 (18) | 17 | Out | 100 | | 21 | 17 | 10 | 26 | | 0 | 0 | 0 | 0 | |
| 514 (18) | 17 | Out | 150 | | 93 | 74 | 60 | 91 | | 69 | 55 | 43 | 70 | |
| 514 (18) | 17 | Out | 250 | | 31 | 25 | 17 | 35 | | 70 | 56 | 44 | 71 | |
| 514 (18) | 17 | Out | 350 | | 9 | 2 | 1 | 4 | | 21 | 5 | 3 | 8 | |
| 543 (5) | 20.1 | In | 10 | | 99 | 158 | 129 | 193 | | 0 | 0 | 0 | 0 | |
| 543 (5) | 20.1 | In | 20 | | 39 | 75 | 53 | 102 | | 3 | 6 | 1 | 17 | |
| 543 (5) | 20.1 | In | 40 | | 83 | 137 | 109 | 170 | | 0 | 0 | 0 | 0 | |
| 543 (5) | 20.1 | In | 60 | | 83 | 133 | 106 | 164 | | 0 | 0 | 0 | 0 | |
| 543 (5) | 20.1 | In | 80 | | 110 | 176 | 144 | 212 | | 0 | 0 | 0 | 0 | |
| 543 (5) | 20.1 | In | 100 | | 95 | 83 | 67 | 101 | | 1 | 1 | 0.01 | 5 | |
| 543 (5) | 20.1 | In | 150 | | 89 | 71 | 57 | 87 | | 40 | 32 | 23 | 44 | |
| 543 (5) | 20.1 | In | 200 | | 97 | 77 | 63 | 95 | | 133 | 106 | 89 | 126 | |
| 543 (5) | 20.1 | In | 250 | | 48 | 11 | 8 | 15 | | 94 | 22 | 18 | 27 | |
| 543 (5) | 20.1 | In | 300 | | 12 | 3 | 1 | 5 | | 13 | 3 | 2 | 5 | |
| 543 (5) | 20.1 | In | 350 | | 20 | 5 | 3 | 8 | | 2 | 1 | 0.06 | 2 | |
| 544 (6) | 21.8 | In | 10 | | 287 | 229 | 204 | 257 | | 1 | 1 | 0 | 4 | |
| 544 (6) | 21.8 | In | 20 | | 59 | 113 | 86 | 146 | | 0 | 0 | 0 | 0 | |
| 544 (6) | 21.8 | In | 40 | | 133 | 212 | 178 | 252 | | 0 | 0 | 0 | 0 | |
| 544 (6) | 21.8 | In | 80 | | 186 | 149 | 128 | 172 | | 1 | 1 | 0.01 | 4 | |
| 544 (6) | 21.8 | In | 100 | | 41 | 33 | 24 | 44 | | 5 | 4 | 1 | 9 | |
| 544 (6) | 21.8 | In | 150 | | 67 | 54 | 41 | 68 | | 34 | 27 | 19 | 38 | |
| 544 (6) | 21.8 | In | 250 | | 63 | 15 | 11 | 19 | | 170 | 40 | 35 | 47 | |
| 544 (6) | 21.8 | In | 350 | | 26 | 6 | 4 | 9 | | 13 | 3 | 2 | 5 | |
| 546 (19) | 26 | Out | 10 | | 3 | 2 | 0 | 7 | | 3 | 2 | 0 | 7 | |
| 546 (19) | 26 | Out | 20 | | 1 | 2 | 0 | 11 | | 0 | 0 | 0 | 0 | |
| 546 (19) | 26 | Out | 40 | | 4 | 3 | 1 | 8 | | 0 | 0 | 0 | 0 | |
| 546 (19) | 26 | Out | 60 | | 3 | 2 | 0 | 7 | | 0 | 0 | 0 | 0 | |
| 546 (19) | 26 | Out | 80 | | 9 | 7 | 3 | 14 | | 0 | 0 | 0 | 0 | |
| 546 (19) | 26 | Out | 100 | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | |
| 546 (19) | 26 | Out | 150 | | 119 | 95 | 79 | 114 | | 32 | 26 | 17 | 36 | |
| 546 (19) | 26 | Out | 200 | | 118 | 94 | 78 | 113 | | 185 | 148 | 127 | 171 | |
| 546 (19) | 26 | Out | 250 | | 45 | 11 | 8 | 14 | | 149 | 35 | 30 | 42 | |
| 546 (19) | 26 | Out | 300 | | 14 | 3 | 2 | 6 | | 38 | 9 | 6 | 12 | |
| 546 (19) | 26 | Out | 350 | | 4 | 1 | 0.3 | 2 | | 16 | 4 | 2 | 6 | |
| 553 (11) | 28.1 | In | 10 | | 126 | 101 | 84 | 120 | | 0 | 0 | 0 | 0 | |
| 553 (11) | 28.1 | In | 20 | | 42 | 81 | 58 | 109 | | 3 | 6 | 1 | 17 | |
| 553 (11) | 28.1 | In | 40 | | 283 | 226 | 201 | 254 | | 2 | 2 | 0.2 | 6 | |
| 553 (11) | 28.1 | In | 60 | | 123 | 196 | 163 | 234 | | 0 | 0 | 0 | 0 | |
| 553 (11) | 28.1 | In | 80 | | 113 | 90 | 74 | 109 | | 1 | 1 | 0.01 | 4 | |
| 553 (11) | 28.1 | In | 100 | | 78 | 62 | 49 | 78 | | 1 | 1 | 0.01 | 4 | |
| 553 (11) | 28.1 | In | 150 | | 61 | 49 | 37 | 63 | | 28 | 22 | 15 | 32 | |
| 553 (11) | 28.1 | In | 200 | | 97 | 77 | 63 | 95 | | 214 | 171 | 149 | 195 | |
| 553 (11) | 28.1 | In | 250 | | 14 | 11 | 6 | 19 | | 42 | 34 | 24 | 45 | |
| 553 (11) | 28.1 | In | 300 | | 13 | 3 | 2 | 5 | | 7 | 2 | 1 | 3 | |
| 553 (11) | 28.1 | In | 350 | | 13 | 3 | 2 | 5 | | 3 | 1 | 0.1 | 2 | |
| 570 (14) | 30.5 | In | 10 | | 136 | 218 | 183 | 258 | | 0 | 0 | 0 | 0 | |
| 570 (14) | 30.5 | In | 20 | | 64 | 103 | 79 | 131 | | 0 | 0 | 0 | 0 | |
| 570 (14) | 30.5 | In | 40 | | 104 | 183 | 150 | 222 | | 2 | 4 | 0.4 | 13 | |
| 570 (14) | 30.5 | In | 80 | | 55 | 86 | 65 | 112 | | 3 | 5 | 1 | 14 | |
| 570 (14) | 30.5 | In | 100 | | 57 | 92 | 69 | 119 | | 0 | 0 | 0 | 0 | |
| 570 (14) | 30.5 | In | 150 | | 31 | 50 | 34 | 70 | | 13 | 21 | 11 | 36 | |
| 570 (14) | 30.5 | In | 250 | | 30 | 7 | 5 | 10 | | 104 | 25 | 20 | 30 | |
| 570 (14) | 30.5 | In | 350 | | 10 | 2 | 1 | 4 | | 11 | 3 | 1 | 5 | |
| 570 (14) | 30.5 | In | 450 | | 11 | 3 | 1 | 5 | | 0 | 0 | 0 | 0 | |
| 570 (14) | 30.5 | In | 550 | | 6 | 1 | 1 | 3 | | 0 | 0 | 0 | 0 | |
| 580 (12) | 32.4 | In | 10 | | 102 | 164 | 134 | 199 | | 0 | 0 | 0! | 0 | |
| 580 (12) | 32.4 | In | 20 | | 59 | 104 | 79 | 134 | | 2 | 4 | 0.02 | 13 | |
| 580 (12) | 32.4 | In | 40 | | 131 | 204 | 171 | 242 | | 3 | 5 | 1 | 14 | |
| 580 (12) | 32.4 | In | 80 | | 97 | 155 | 126 | 190 | | 0 | 0 | 0 | 0 | |
| 580 (12) | 32.4 | In | 100 | | 24 | 41 | 26 | 60 | | 3 | 5 | 1 | 15 | |
| 580 (12) | 32.4 | In | 150 | | 28 | 46 | 30 | 66 | | 23 | 37 | 24 | 56 | |
| 580 (12) | 32.4 | In | 250 | | 38 | 18 | 13 | 25 | | 84 | 40 | 32 | 49 | |
| 580 (12) | 32.4 | In | 350 | | 8 | 2 | 1 | 4 | | 21 | 5 | 3 | 8 | |
| 580 (12) | 32.4 | In | 450 | | 12 | 3 | 2 | 5 | | 1 | 0.3 | 0.003 | 1 | |
| 580 (12) | 32.4 | In | 550 | | 12 | 3 | 1 | 5 | | 1 | 0.3 | 0.003 | 1 | |
| 587 (14) | 34.1 | Out | 10 | | 4 | 7 | 2 | 17 | | 0 | 0 | 0 | 0 | |
| 587 (14) | 34.1 | Out | 20 | | 1 | 2 | 0 | 9 | | 0 | 0 | 0 | 0 | |
| 587 (14) | 34.1 | Out | 40 | | 2 | 3 | 0 | 12 | | 0 | 0 | 0 | 0 | |
| 587 (14) | 34.1 | Out | 60 | | 2 | 3 | 0 | 12 | | 1 | 2 | 0.02 | 9 | |
| 587 (14) | 34.1 | Out | 80 | | 11 | 17 | 9 | 31 | | 0 | 0 | 0 | 0 | |
| 587 (14) | 34.1 | Out | 100 | | 9 | 14 | 6 | 27 | | 0 | 0 | 0 | 0 | |
| 587 (14) | 34.1 | Out | 150 | | 64 | 102 | 79 | 131 | | 8 | 13 | 6 | 25 | |
| 587 (14) | 34.1 | Out | 200 | | 110 | 88 | 72 | 106 | | 114 | 91 | 75 | 109 | |
| 587 (14) | 34.1 | Out | 250 | | 77 | 37 | 29 | 46 | | 127 | 60 | 50 | 72 | |
| 587 (14) | 34.1 | Out | 300 | | 29 | 7 | 5 | 10 | | 81 | 19 | 15 | 24 | |
| 587 (14) | 34.1 | Out | 350 | | 17 | 4 | 2 | 6 | | 62 | 15 | 11 | 19 | |
| 587 (14) | 34.1 | Out | 400 | | 5 | 1 | 0 | 3 | | 12 | 3 | 1 | 5 | |
| 587 (14) | 34.1 | Out | 450 | | 5 | 1 | 0 | 3 | | 2 | 0.5 | 0.05 | 2 | |
| 587 (14) | 34.1 | Out | 500 | | 8 | 2 | 1 | 4 | | 0 | 0 | 0 | 0 | |
| 587 (14) | 34.1 | Out | 550 | | 16 | 4 | 2 | 6 | | 0 | 0 | 0 | 0 | |
| 593 (9) | 36.2 | In | 10 | | 126 | 203 | 169 | 242 | | 0 | 0 | 0 | 0 | |
| 593 (9) | 36.2 | In | 20 | | 49 | 80 | 59 | 106 | | 0 | 0 | 0 | 0 | |
| 593 (9) | 36.2 | In | 40 | | 104 | 162 | 132 | 196 | | 0 | 0 | 0 | 0 | |
| 593 (9) | 36.2 | In | 60 | | 80 | 128 | 102 | 160 | | 1 | 2 | 0.02 | 9 | |
| 593 (9) | 36.2 | In | 80 | | 107 | 172 | 141 | 208 | | 3 | 5 | 1 | 14 | |
| 593 (9) | 36.2 | In | 100 | | 108 | 183 | 150 | 221 | | 3 | 5 | 1 | 15 | |
| 593 (9) | 36.2 | In | 150 | | 24 | 39 | 25 | 58 | | 12 | 20 | 10 | 34 | |
| 593 (9) | 36.2 | In | 200 | | 47 | 78 | 57 | 103 | | 72 | 119 | 93 | 150 | |
| 593 (9) | 36.2 | In | 250 | | 33 | 26 | 18 | 37 | | 49 | 39 | 29 | 52 | |
| 593 (9) | 36.2 | In | 300 | | 22 | 5 | 3 | 8 | | 80 | 19 | 15 | 24 | |
| 593 (9) | 36.2 | In | 350 | | 18 | 4 | 3 | 7 | | 17 | 4 | 2 | 6 | |
| 593 (9) | 36.2 | In | 400 | | 22 | 5 | 3 | 8 | | 3 | 1 | 0.1 | 2 | |
| 593 (9) | 36.2 | In | 450 | | 15 | 4 | 2 | 6 | | 0 | 0 | 0 | 0 | |
| 593 (9) | 36.2 | In | 500 | | 11 | 3 | 1 | 5 | | 0 | 0 | 0 | 0 | |
| 593 (9) | 36.2 | In | 550 | | 10 | 2 | 1 | 4 | | 0 | 0 | 0 | 0 | |

**Supplementary Table V.** Temporal and vertical variation of aloricate ciliate, athecate dinoflagellate and thecate dinoflagellate <20 µm abundances during EIFEX.

Day, days since Fe-release; Ct., number of individuals counted; Ab., abundances (cells L-1); ±C.I.95, 95% confidence intervals for the abundance estimates.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | **Aloricate ciliates** | | | | | **Athecate dinoflagellates** | | | | | **Thecate dinoflagellates <20 µm** | | | | |
| Station (cast) | Day | In/  Out | Depth (m) | | Ct. | Ab. | –C.I.95 | + C.I.95 | | Ct. | Ab. | –C.I.95 | + C.I.95 | | Ct. | Ab. | –C.I.95 | + C.I.95 | |
| 424 (3) | -1.2 |  | 10 | | 34 | 748 | 518 | 1045 | | 261 | 45936 | 40531 | 51860 | | 38 | 6688 | 4732 | 9180 | |
| 424 (3) | -1.2 |  | 40 | | 76 | 1672 | 1317 | 2093 | | 312 | 54912 | 48987 | 61356 | | 55 | 9680 | 7292 | 12600 | |
| 424 (3) | -1.2 |  | 100 | | 42 | 924 | 666 | 1249 | | 475 | 41800 | 38125 | 45734 | | 29 | 2552 | 1709 | 3665 | |
| 427 (1) | 0.8 | Out | 10 | | 23 | 506 | 321 | 759 | | 188 | 16544 | 14263 | 19085 | | 23 | 2024 | 1283 | 3037 | |
| 427 (1) | 0.8 | Out | 40 | | 26 | 572 | 374 | 838 | | 350 | 30800 | 27657 | 34202 | | 31 | 2728 | 1853 | 3872 | |
| 427 (1) | 0.8 | Out | 100 | | 23 | 506 | 321 | 759 | | 190 | 16720 | 14427 | 19274 | | 15 | 1320 | 738 | 2177 | |
| 466 (2) | 4.8 | In | 10 | | 71 | 1562 | 1220 | 1970 | | 489 | 43032 | 39302 | 47021 | | 69 | 6072 | 4724 | 7685 | |
| 466 (2) | 4.8 | In | 40 | | 40 | 880 | 629 | 1198 | | 546 | 48048 | 44102 | 52253 | | 73 | 6424 | 5035 | 8077 | |
| 466 (2) | 4.8 | In | 100 | | 68 | 1496 | 1162 | 1897 | | 361 | 31768 | 28575 | 35220 | | 23 | 2024 | 1283 | 3037 | |
| 470 (1) | 5.2 | Out | 10 | | 70 | 1540 | 1200 | 1946 | | 609 | 53592 | 49420 | 58023 | | 79 | 6952 | 5504 | 8664 | |
| 470 (1) | 5.2 | Out | 40 | | 45 | 990 | 722 | 1325 | | 509 | 44792 | 40985 | 48858 | | 79 | 6952 | 5504 | 8664 | |
| 470 (1) | 5.2 | Out | 100 | | 58 | 1276 | 969 | 1650 | | 347 | 30536 | 27407 | 33924 | | 45 | 3960 | 2888 | 5299 | |
| 508 (2) | 9.4 | In | 10 | | 66 | 1452 | 1123 | 1847 | | 350 | 30800 | 27657 | 34202 | | 65 | 5720 | 4414 | 7291 | |
| 508 (2) | 9.4 | In | 40 | | 67 | 1474 | 1142 | 1872 | | 410 | 36080 | 32672 | 39747 | | 56 | 4928 | 3722 | 6400 | |
| 508 (2) | 9.4 | In | 100 | | 97 | 2134 | 1730 | 2603 | | 282 | 24816 | 22004 | 27888 | | 26 | 2288 | 1494 | 3353 | |
| 514 (2) | 16.8 | Out | 10 | | 57 | 1254 | 950 | 1625 | | 265 | 23320 | 20596 | 26303 | | 16 | 1408 | 804 | 2287 | |
| 514 (2) | 16.8 | Out | 40 | | 38 | 836 | 592 | 1148 | | 275 | 24200 | 21424 | 27236 | | 19 | 1672 | 1006 | 2611 | |
| 514 (2) | 16.8 | Out | 100 | | 21 | 462 | 286 | 706 | | 207 | 18216 | 15819 | 20874 | | 6 | 528 | 193 | 1149 | |
| 522 (1) | 18.8 | In | 10 | | 48 | 1056 | 779 | 1400 | | 443 | 38984 | 35438 | 42789 | | 26 | 2288 | 1494 | 3353 | |
| 522 (1) | 18.8 | In | 40 | | 55 | 1210 | 911 | 1575 | | 396 | 34848 | 31500 | 38455 | | 29 | 2552 | 1709 | 3665 | |
| 522 (1) | 18.8 | In | 100 | | 25 | 550 | 356 | 812 | | 188 | 16544 | 14263 | 19085 | | 2 | 176 | 20 | 635 | |
| 545 (1) | 24.4 | In | 10 | | 37 | 814 | 573 | 1122 | | 242 | 21296 | 18697 | 24155 | | 45 | 3960 | 2888 | 5299 | |
| 545 (1) | 24.4 | In | 40 | | 36 | 792 | 555 | 1096 | | 329 | 28952 | 25908 | 32256 | | 39 | 3432 | 2440 | 4692 | |
| 545 (1) | 24.4 | In | 100 | | 26 | 572 | 374 | 838 | | 223 | 19624 | 17133 | 22376 | | 14 | 1232 | 673 | 2067 | |
| 546 (2) | 25.6 | Out | 10 | | 37 | 814 | 573 | 1122 | | 360 | 31680 | 28492 | 35128 | | 21 | 1848 | 1144 | 2825 | |
| 546 (2) | 25.6 | Out | 40 | | 61 | 1342 | 1026 | 1724 | | 270 | 23760 | 21010 | 26770 | | 18 | 1584 | 938 | 2504 | |
| 546 (2) | 25.6 | Out | 100 | | 34 | 748 | 518 | 1045 | | 227 | 19976 | 17462 | 22751 | | 8 | 704 | 303 | 1387 | |
| 553 (3) | 27.9 | In | 10 | | 43 | 946 | 685 | 1274 | | 268 | 23584 | 20845 | 26583 | | 22 | 1936 | 1213 | 2931 | |
| 553 (3) | 27.9 | In | 40 | | 39 | 858 | 610 | 1173 | | 323 | 28424 | 25408 | 31699 | | 20 | 1760 | 1075 | 2718 | |
| 553 (3) | 27.9 | In | 100 | | 52 | 1144 | 854 | 1500 | | 295 | 25960 | 23082 | 29098 | | 15 | 1320 | 738 | 2177 | |
| 570 (4) | 30.3 | In | 10 | | 19 | 418 | 252 | 653 | | 193 | 16984 | 14672 | 19557 | | 6 | 528 | 193 | 1149 | |
| 570 (4) | 30.3 | In | 40 | | 27 | 594 | 391 | 864 | | 169 | 14872 | 12714 | 17291 | | 8 | 704 | 303 | 1387 | |
| 570 (4) | 30.3 | In | 100 | | 23 | 506 | 321 | 759 | | 224 | 19712 | 17215 | 22470 | | 9 | 792 | 361 | 1504 | |
| 580 (2) | 32.2 | In | 10 | | 49 | 1078 | 797 | 1425 | | 204 | 17952 | 15573 | 20592 | | 20 | 1760 | 1075 | 2718 | |
| 580 (2) | 32.2 | In | 40 | | 45 | 990 | 722 | 1325 | | 193 | 16984 | 14672 | 19557 | | 29 | 2552 | 1709 | 3665 | |
| 580 (2) | 32.2 | In | 100 | | 16 | 352 | 201 | 572 | | 161 | 14168 | 12064 | 16533 | | 8 | 704 | 303 | 1387 | |
| 587 (1) | 33.8 | Out | 10 | | 22 | 484 | 303 | 733 | | 216 | 19008 | 16557 | 21719 | | 7 | 616 | 247 | 1269 | |
| 587 (1) | 33.8 | Out | 40 | | 54 | 1188 | 892 | 1550 | | 220 | 19360 | 16886 | 22094 | | 6 | 528 | 193 | 1149 | |
| 587 (1) | 33.8 | Out | 100 | | 28 | 616 | 409 | 890 | | 228 | 20064 | 17544 | 22844 | | 6 | 528 | 193 | 1149 | |
| 593 (3) | 36.1 | In | 10 | | 42 | 924 | 666 | 1249 | | 198 | 4356 | 3770 | 5007 | | 13 | 286 | 152 | 489 | |
| 593 (3) | 36.1 | In | 40 | | 42 | 924 | 666 | 1249 | | 152 | 3344 | 2833 | 3920 | | 5 | 110 | 35 | 257 | |
| 593 (3) | 36.1 | In | 100 | | 49 | 1078 | 797 | 1425 | | 170 | 3740 | 3199 | 4346 | | 7 | 154 | 62 | 317 | |