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| | 31 4 | | | | | | | |
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| | | | | | | | | |
| Antarctic Circumpolar Current (ACC) | | | | | | | | |
| ACC | | | | | | | | |
| <i>Euphausia superba</i> | | | | | | | | |
| <i>Thysanoessa macrura</i> | | | | | | | | |
| | | | 80–150 | 60–67 | | | | |
| | | KY1804 | | 2018 | 12 | 2019 | 2 | 8 |
| 42 | | Rectangular Mid-Water Trawl 1 (RMT1 | | | | 1 m ² | | 335 µm) |
| 0–200 m | | | | | | XCTD | | |
| | | | | | | 1/4–1/128 | | |
| | | | | | | | <i>Calanoides acutus</i> | <i>Calanus</i> |
| <i>propinquus</i> | <i>Metridia gerlachei</i> | <i>M. lucens</i> | <i>R. gigas</i> | | | | | |
| | (| | : MCS (Mean Copepodid Stage) | | | | : MSI (Mean Stage Index)) | |
| | Arctic Data archive System | | 15% | | | | | |
| TSM (Time Since sea-ice Melt) | | | | | | | <i>a</i> | GlobColour |
| project | | | <i>T. macrura</i> | | | | | |

(

) Best-bioenv

C *T. macrura*

(MCS MSI) Leg

MCS MSI *C. acutus*

C. propinquus *T. macrura* MCS MSI TSM

7.27–1.43×10⁵ ind. 10³ m⁻³

1.85×10³–3.94×10⁶ g 10³ m⁻³ 4 *T. macrura*

M. gerlachei (

) A E

5 Best-bioenv

SACCF (Southern ACC Front) B SB (Southern

Boundary of ACC) ASF (Antarctic Slope Front) E B

E

Antarctic Slope Current

E

40 m E Antarctic Slope Current

E. crystallophias

C

C

4 *T. macrura* MCS MSI

C. acutus MCS *C. propinquus* MCS *T. macrura* MSI

C. acutus MCS *T. macrura* MSI

C. propinquus MCS MCS

3

MCS MSI TSM 3

T. macrura *C. propinquus*

C. acutus *T. macrura*

TSM

C. propinquus TSM MCS

C. acutus