

1 **Distribution of planktonic biogenic carbonate organisms in the Southern Ocean south of**
2 **Australia: a baseline for ocean acidification impact assessment**

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4 **Supplementary Material Overview**

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6 Figure S1. Maps comparing ship sampled particulate inorganic carbonate in the coccolithophore size
7 fraction (PIC01; dots) with satellite Chl estimates (SChl, map colours) for each voyage leg. The SChl
8 estimates are averages for the month preceding the start of the voyage leg. Black lines are front
9 locations (see main text and Figure 1 for front names).

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11 Table S1. Particle compositions (S, T, PIC50, PIC01, POC, PON, BSi)

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13 Table S2. Seawater properties at particle collection sites (S, T, DIC, Alk, Si(OH)_4 , H_3PO_4 , HNO_3)

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