

APPENDIX 4.
FIELD DATA FOR EXPEDITIONS IN THE LUCINDA REGION IN 2002-2004

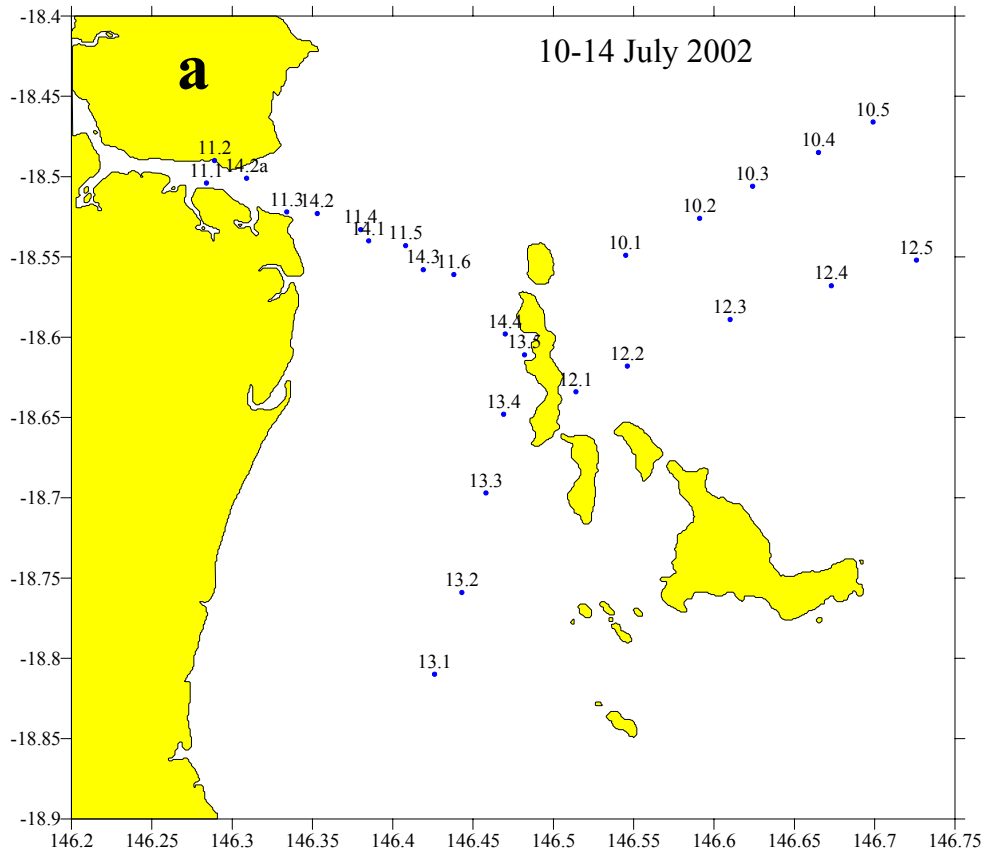


Figure A1. Measurement stations for field expeditions in the Lucinda region in July 2002 (a), February 2003 (b), October 2003 (c) and February 2004 (d-g).

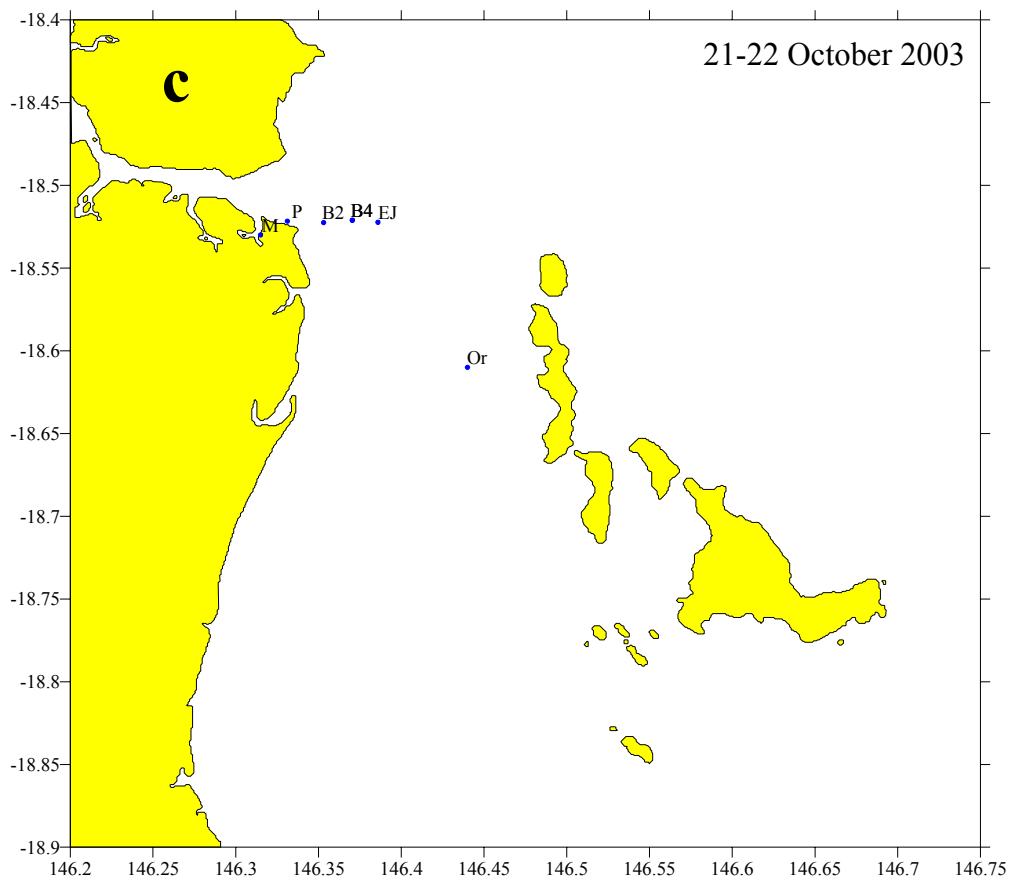
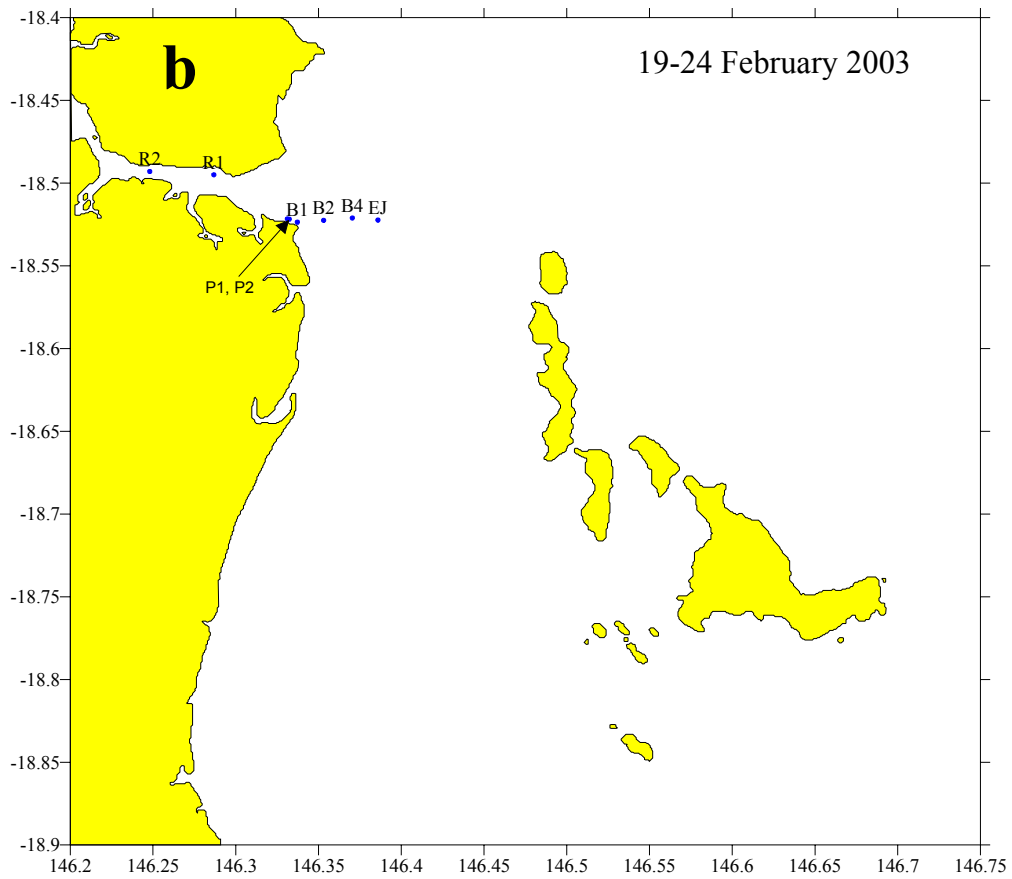


Figure A1 continued. Measurement stations for field expeditions in the Lucinda region in July 2002 (a), February 2003 (b), October 2003 (c) and February 2004 (d-g).

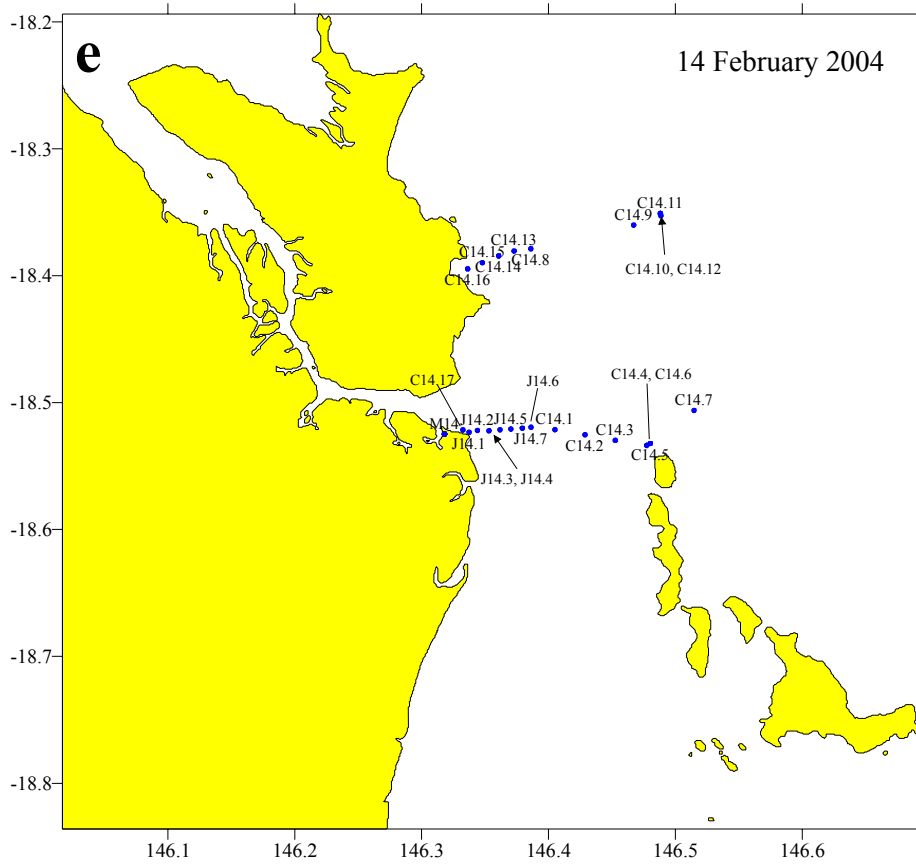
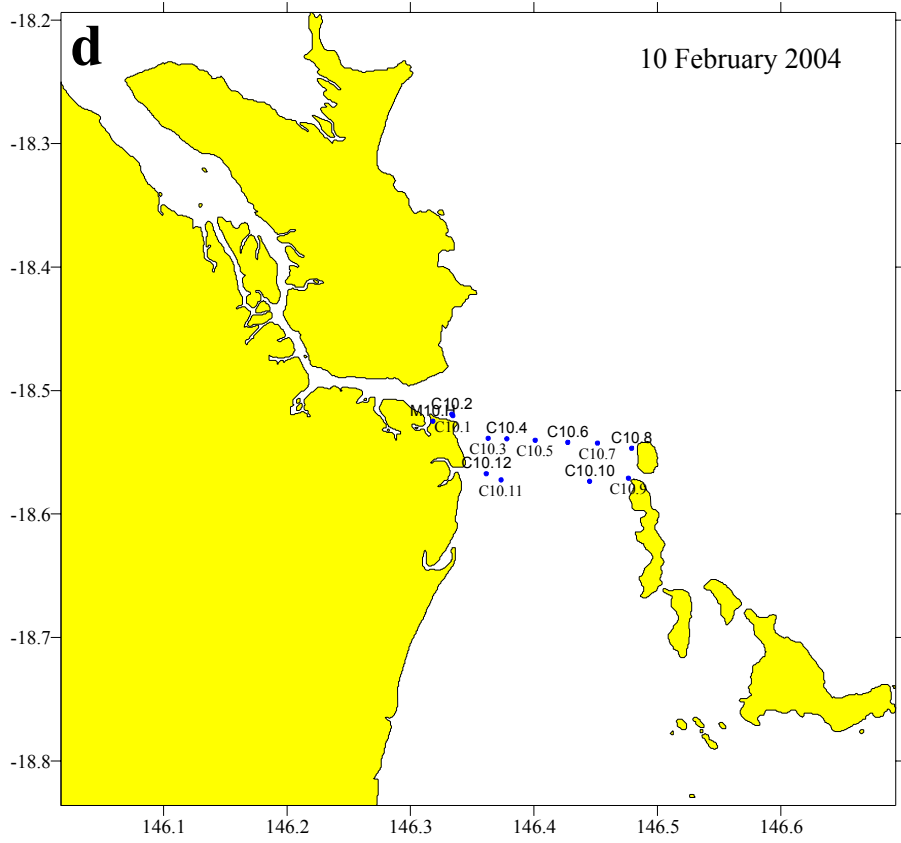


Figure A1 continued. Measurement stations for field expeditions in the Lucinda region in July 2002 (a), February 2003 (b), October 2003 (c) and February 2004 (d-g).

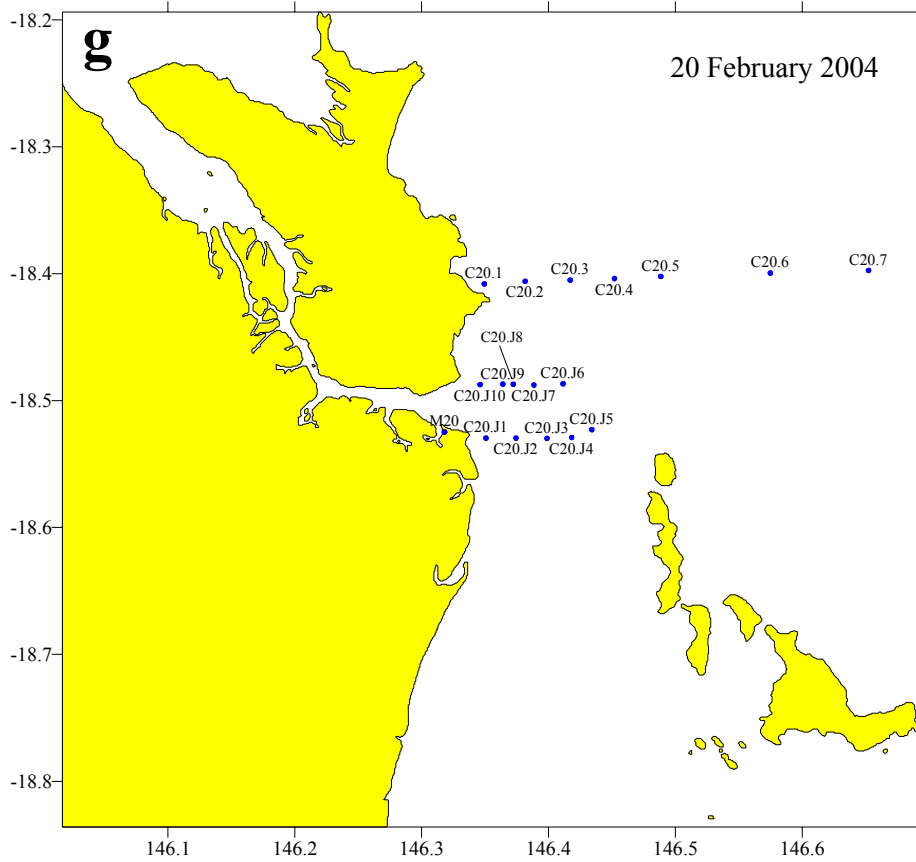
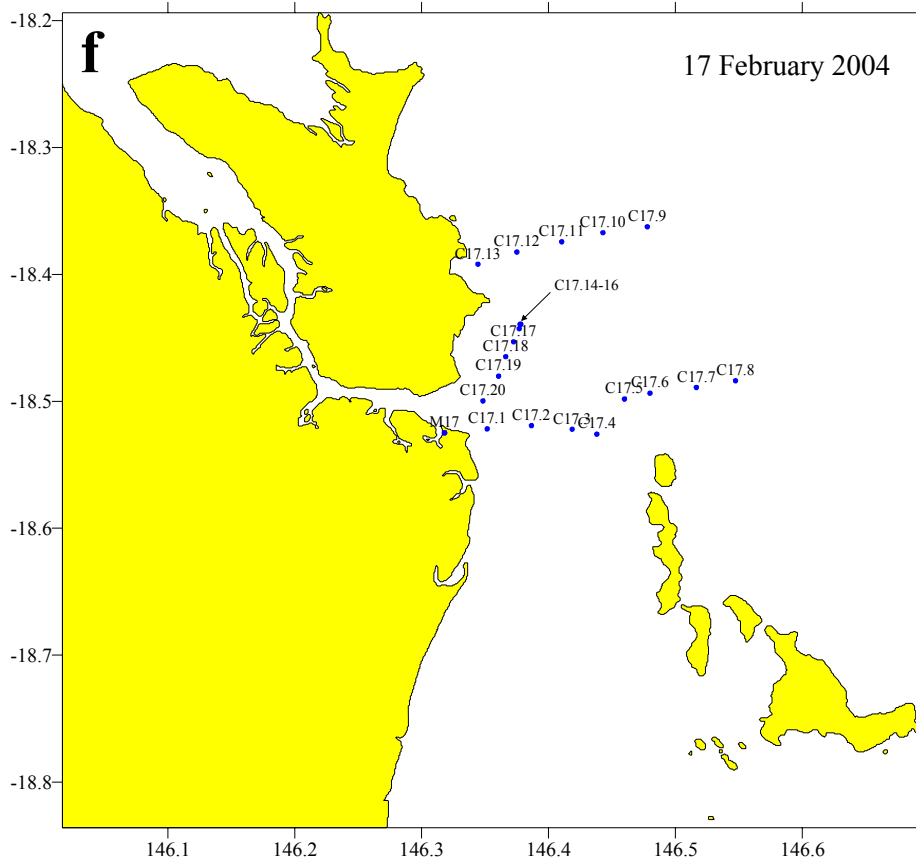


Figure A1 continued. Measurement stations for field expeditions in the Lucinda region in July 2002 (a), February 2003 (b), October 2003 (c) and February 2004 (d-g).

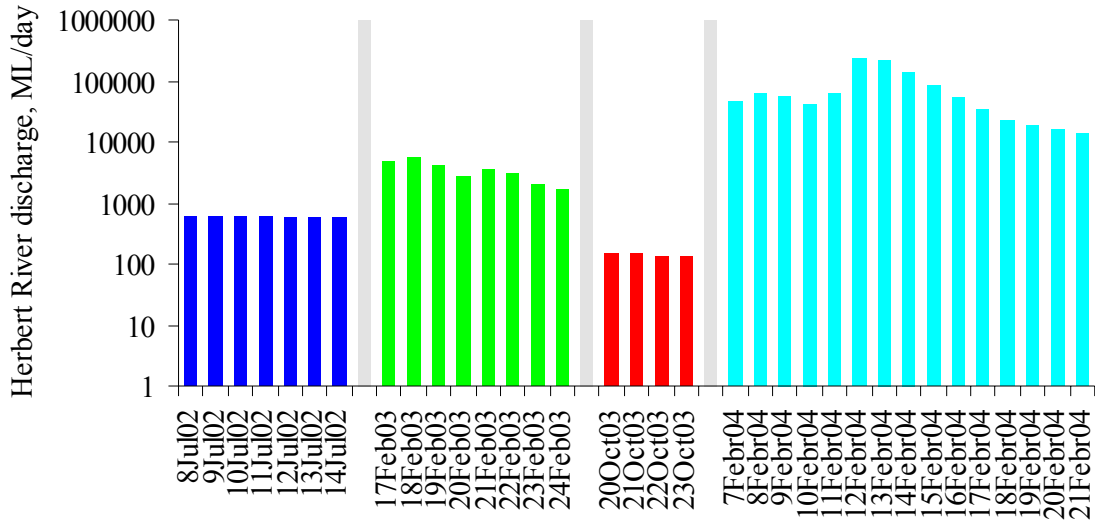


Figure A2. Herbert River discharge at Ingham station during field expeditions in the Lucinda region in 2002-2004.

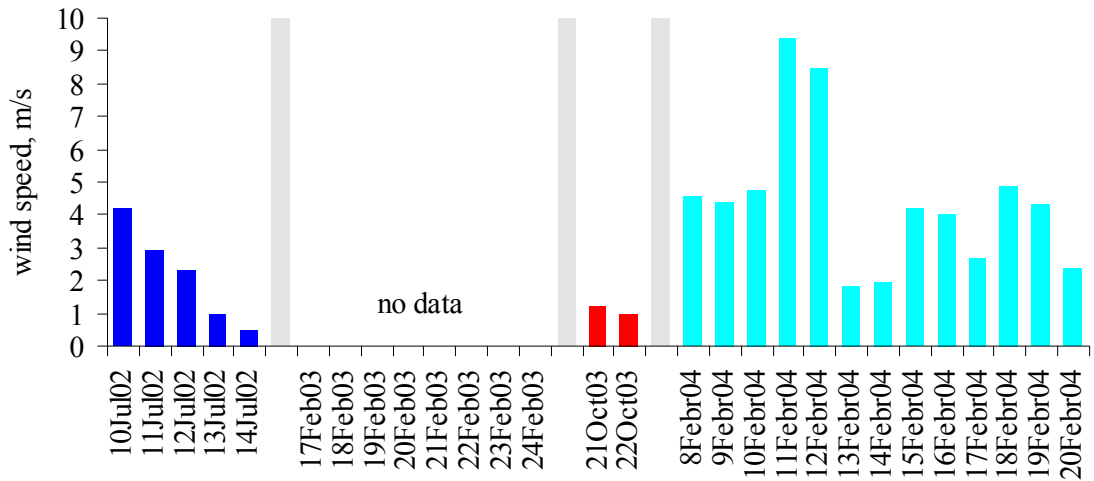


Figure A3. Wind speed at the end of the Lucinda jetty during field expeditions in the Lucinda region in 2002-2004.

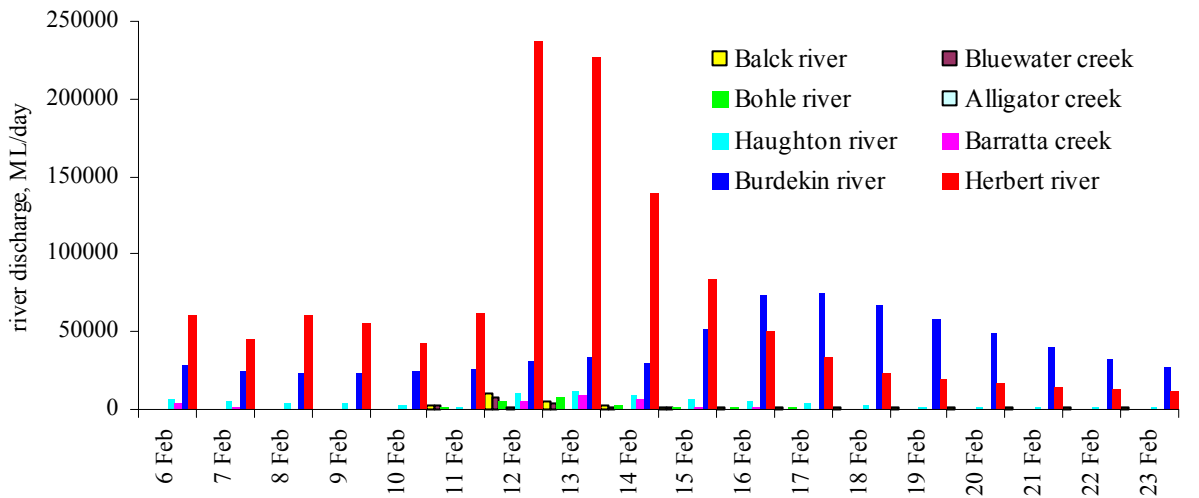


Figure A4. Discharge rates from the Herbert River and adjacent rivers to the south of Lucinda for the field expedition in February 2004.

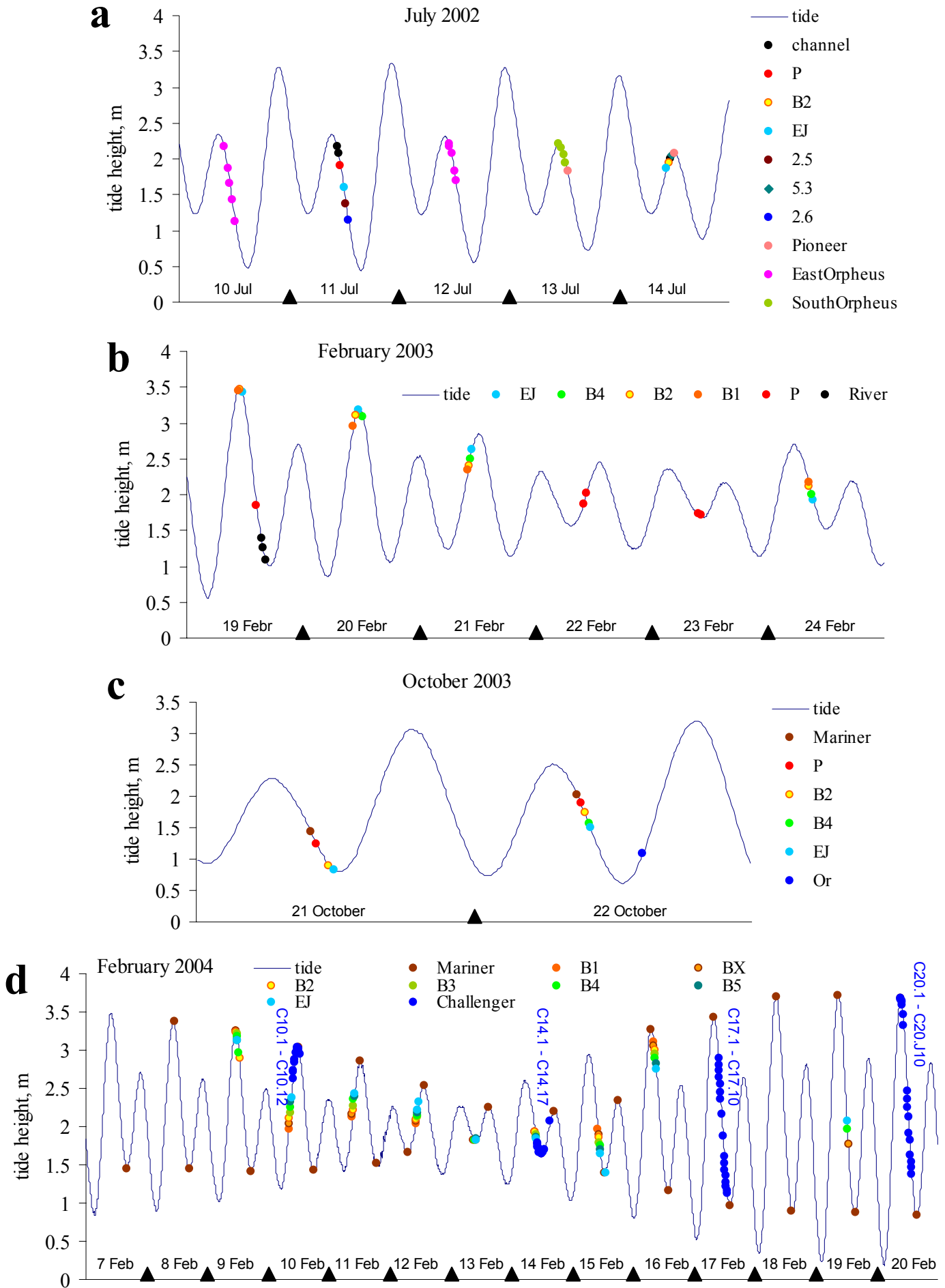


Figure A5. Tidal climate for field expeditions in the Lucinda region in July 2002 (a), February 2003 (b), October 2003 (c) and February 2004 (d). Coloured points correspond to measurement stations.

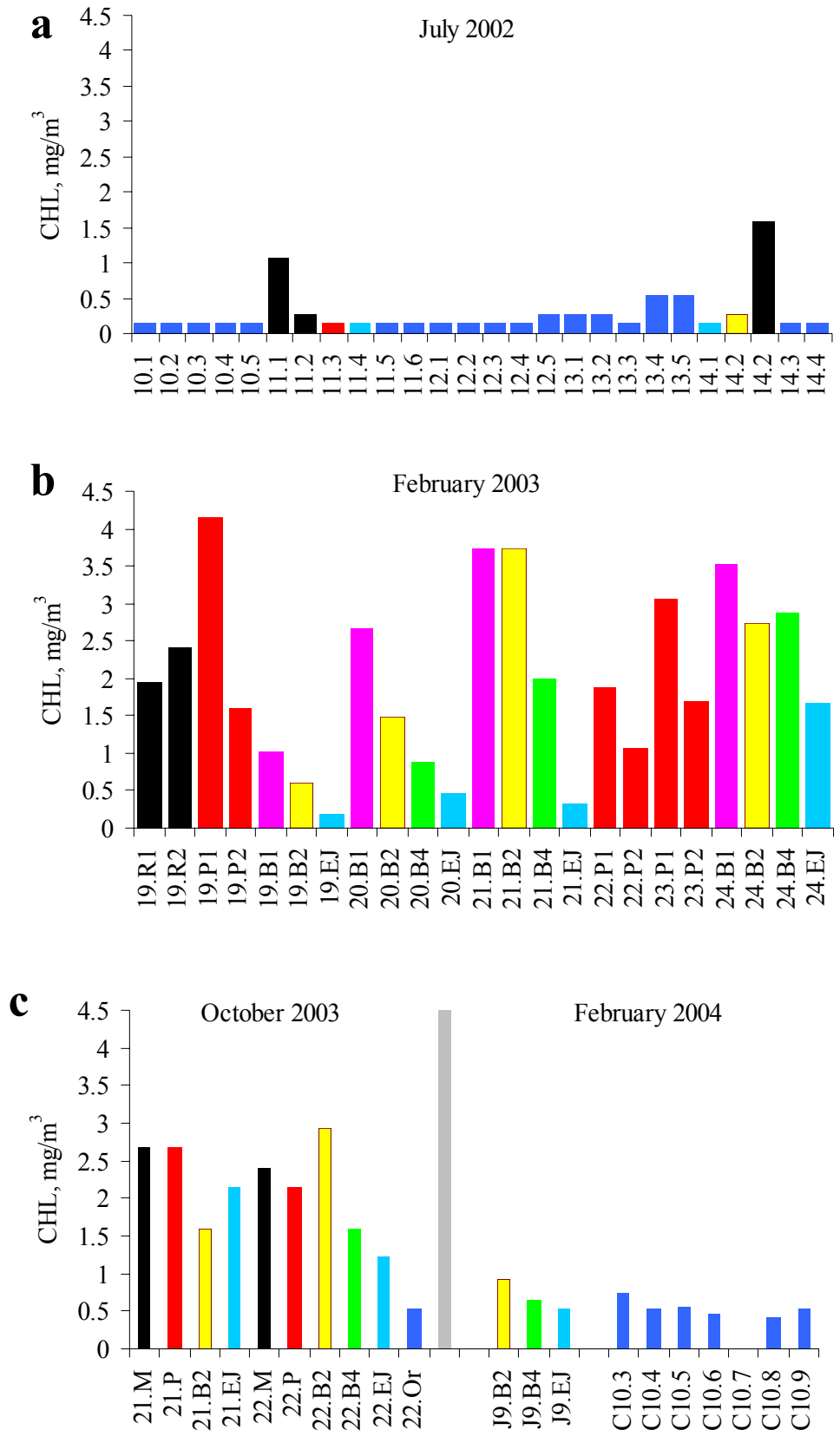


Figure A6. Chlorophyll concentration for field expeditions in the Lucinda region in July 2002 (a), February 2003 (b), October 2003 (c) and February 2004 (c-f). The first number of the station notation shows the date.

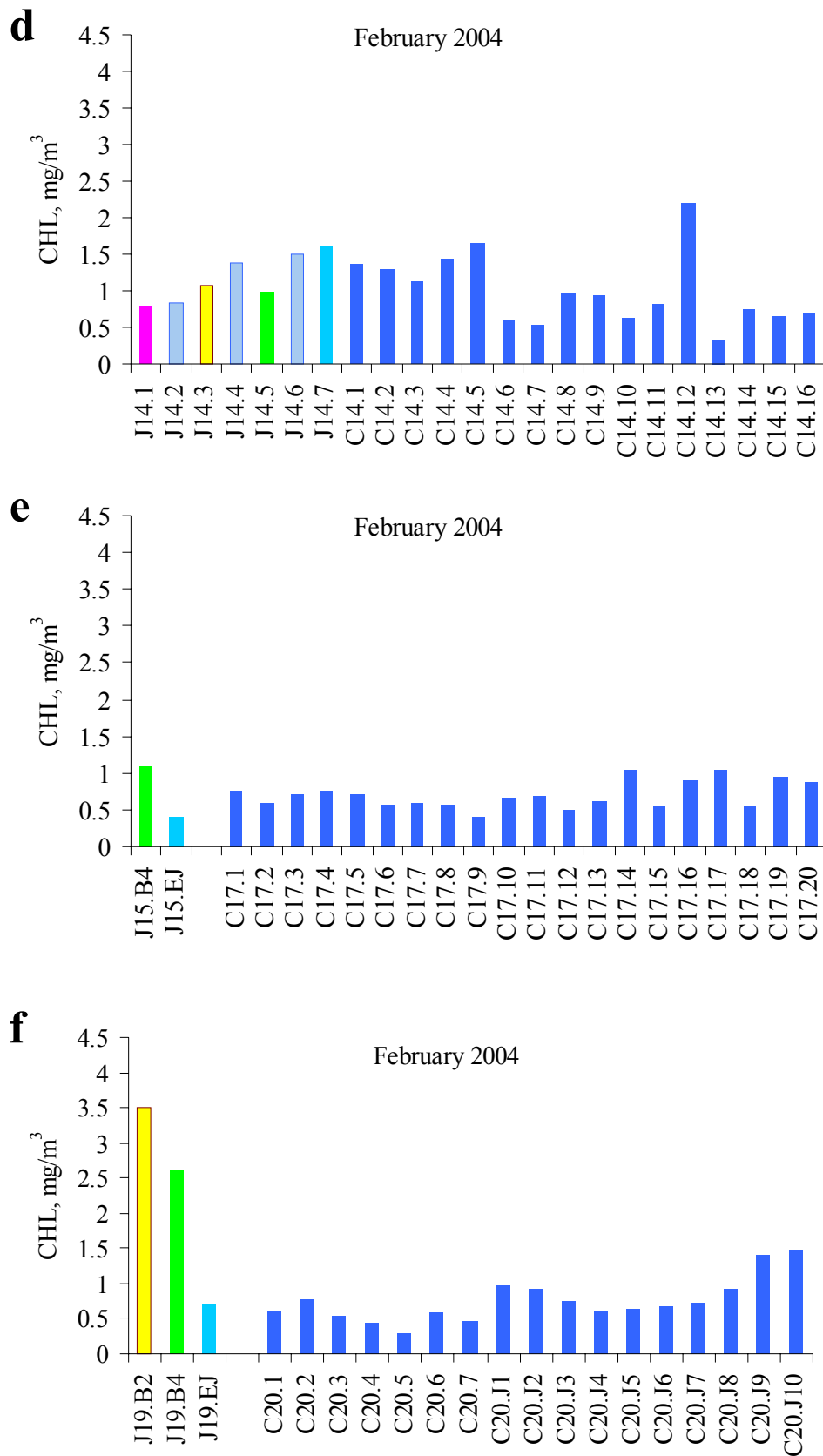


Figure A6 continued. Chlorophyll concentration for field expeditions in the Lucinda region in July 2002 (a), February 2003 (b), October 2003 (c) and February 2004 (c-f). The first number of the station notation shows the date.

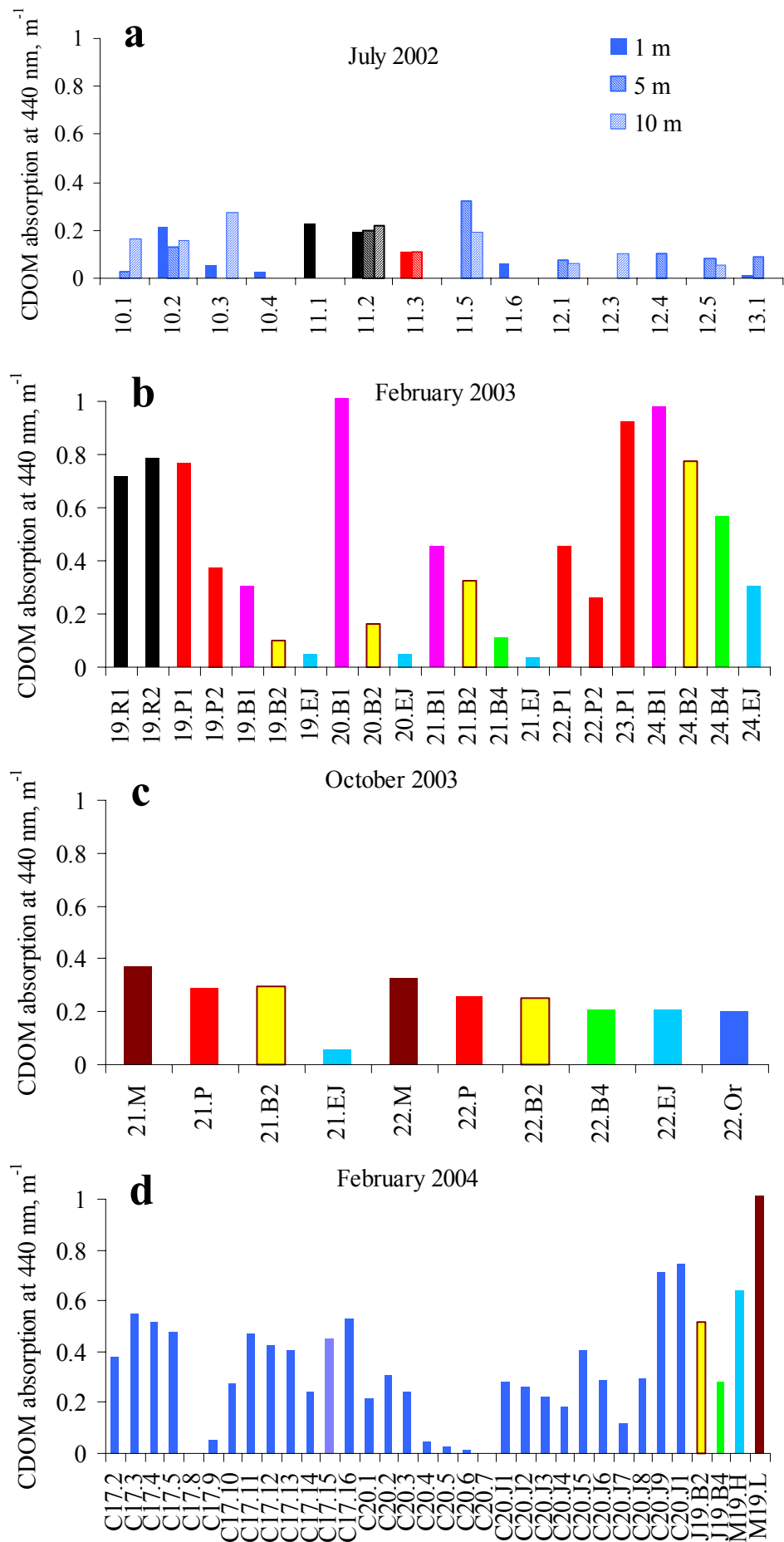


Figure A7. Coloured dissolved organic matter absorption for field expeditions in the Lucinda region in July 2002 (a), February 2003 (b), October 2003 (c) and February 2004 (d). The first number of the station notation shows the date.

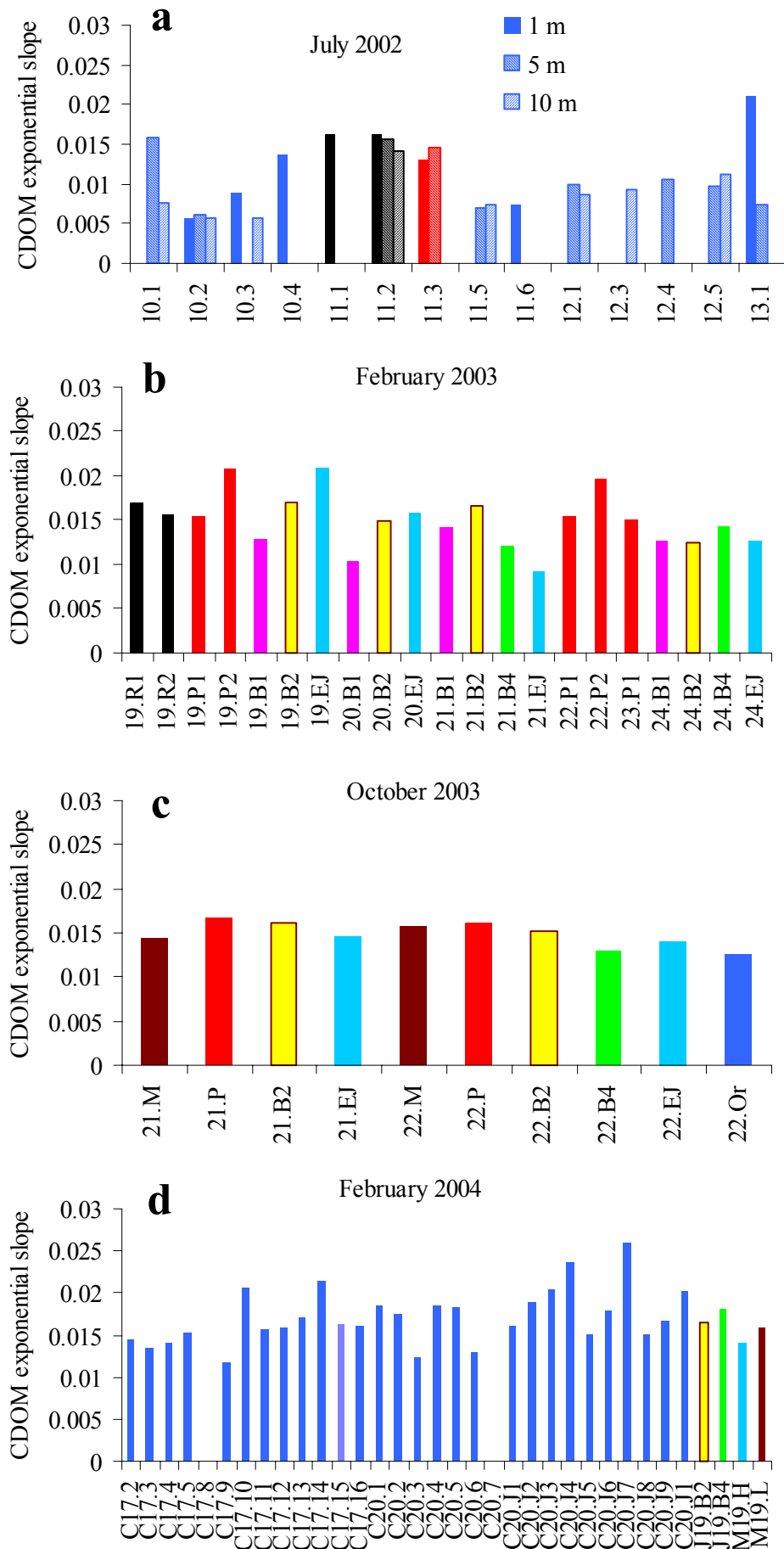


Figure A8. Exponential slope of CDOM spectra for field expeditions in the Lucinda region in July 2002 (a), February 2003 (b), October 2003 (c) and February 2004 (d). The first number of the station notation shows the date.

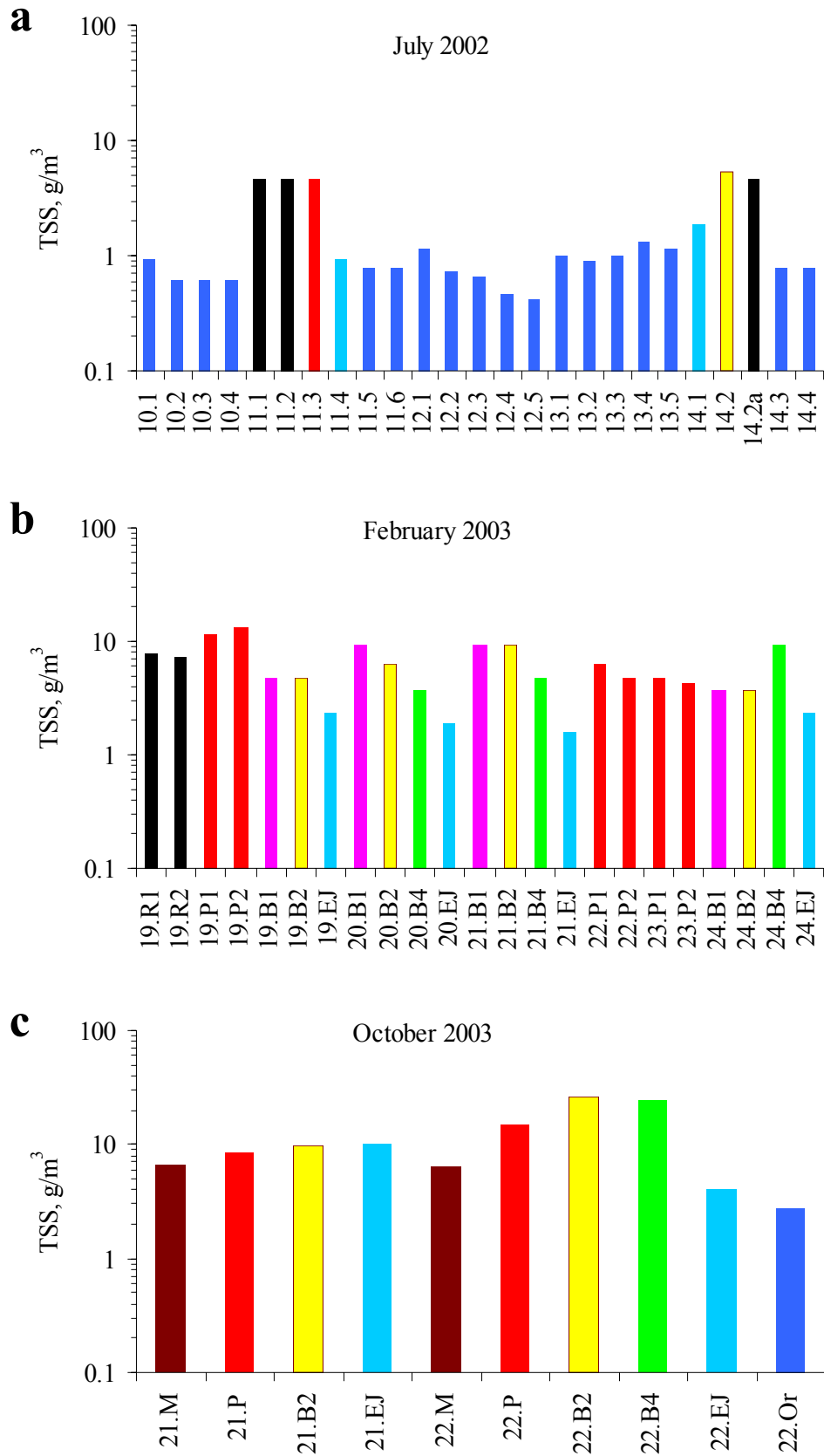


Figure A9. Total suspended sediment concentration for field expeditions in the Lucinda region in July 2002 (a), February 2003 (b), October 2003 (c) and February 2004 (d-f). July 2002 values are derived from Secchi depth measurements (for TSS-Secchi relationship, see Figure 3.7 in Chapter 3). Xb means a sample is taken 1 m above the bottom. The first number of the station notation shows the date.

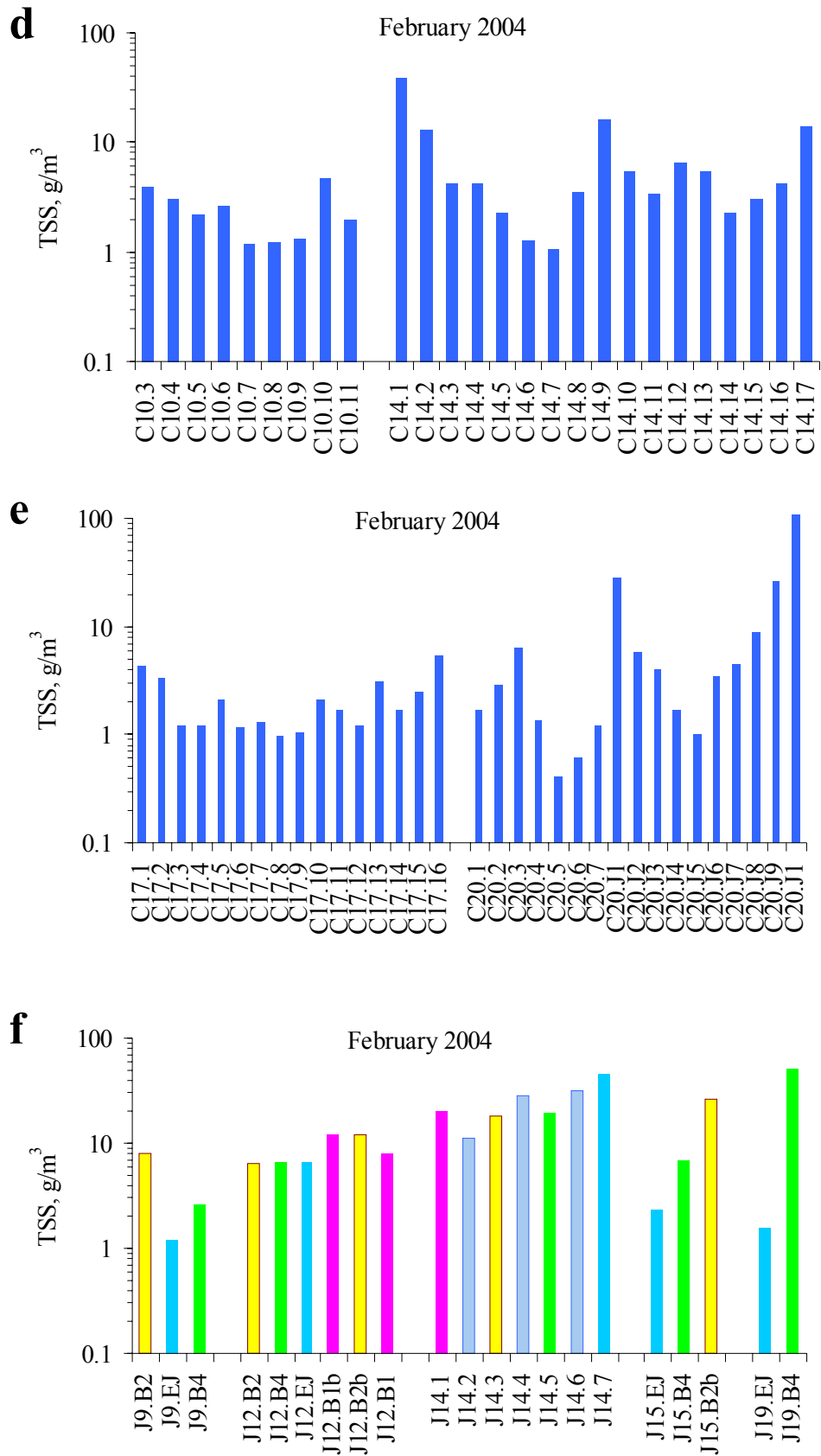


Figure A9 continued. Total suspended sediment concentration for field expeditions in the Lucinda region in July 2002 (a), February 2003 (b), October 2003 (c) and February 2004 (d-f). July 2002 values are derived from Secchi depth measurements (for TSS-Secchi relationship, see Figure 3.7 in Chapter 3). Xb means a sample is taken 1 m above the bottom. The first number of the station notation shows the date.

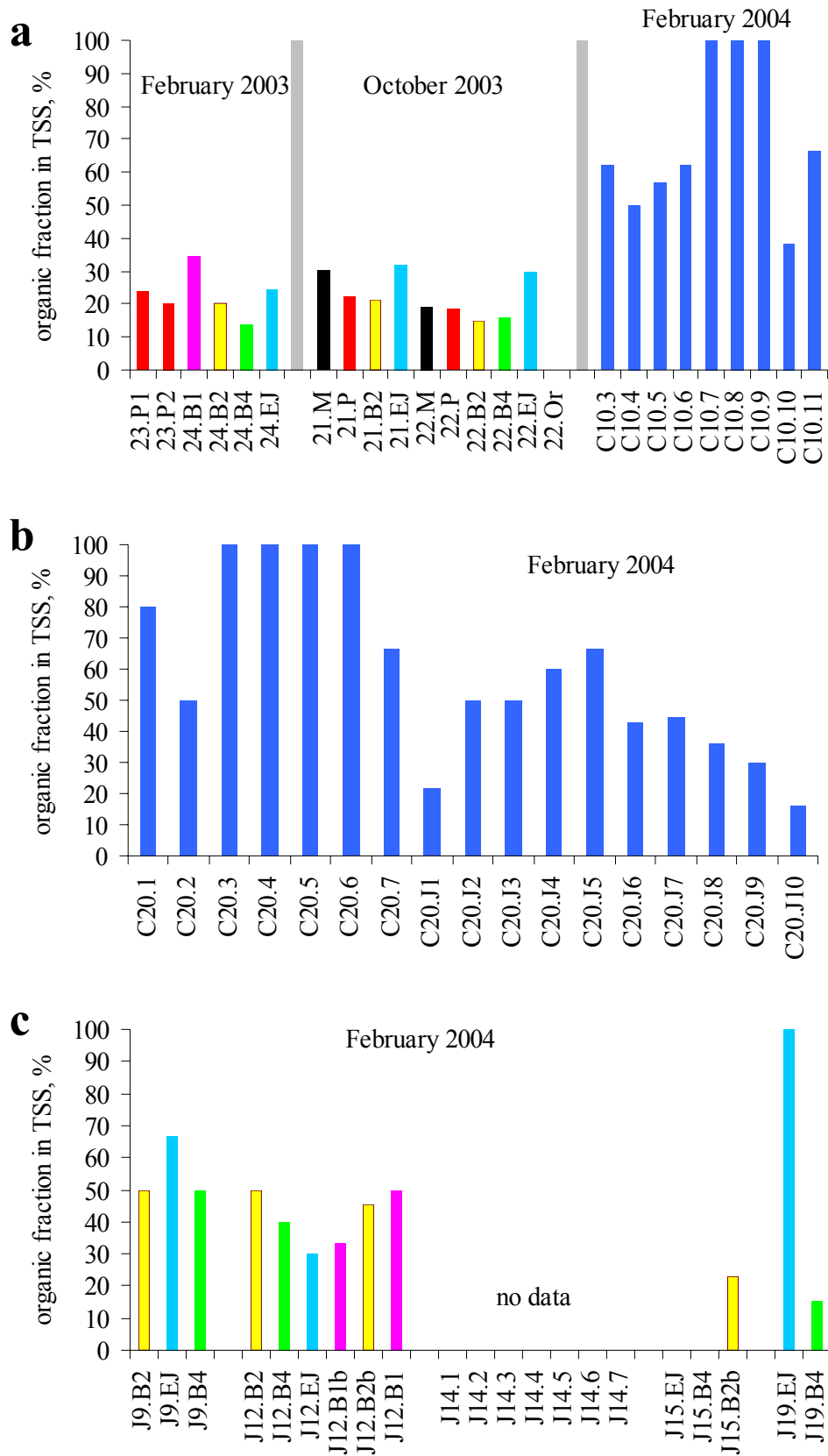


Figure A10. Organic matter fraction in TSS for field expeditions in the Lucinda region in February 2003 (a), October 2003 (a) and February 2004 (a-c). The first number of the station notation shows the date.

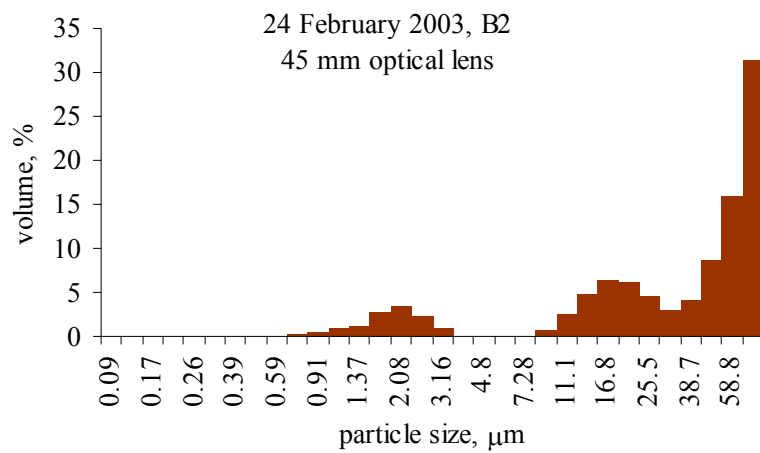
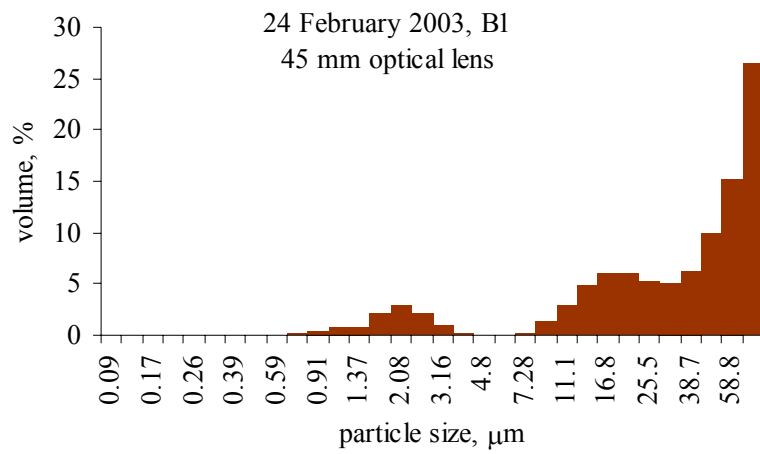
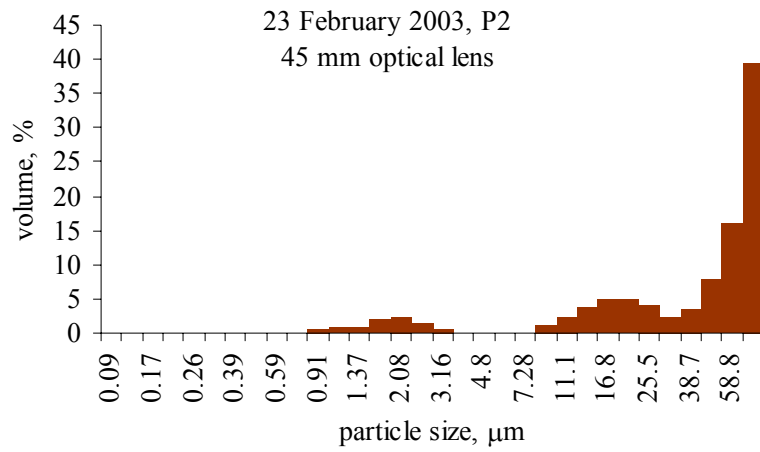
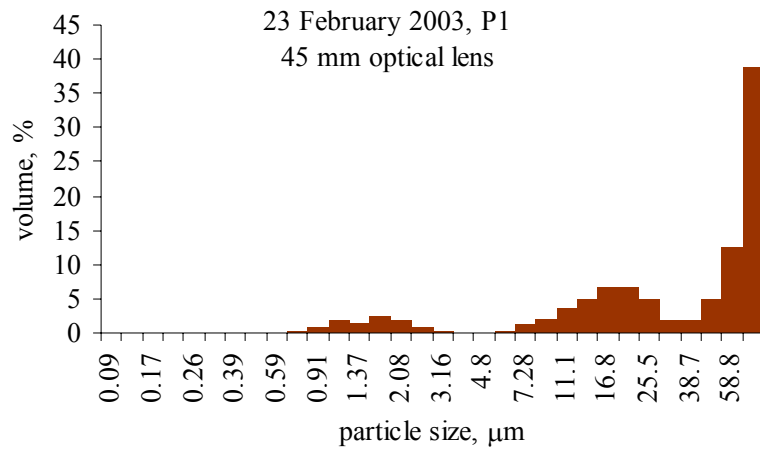


Figure A11. Particle size distributions for field expeditions in the Lucinda region in February 2003, October 2003 and February 2004.

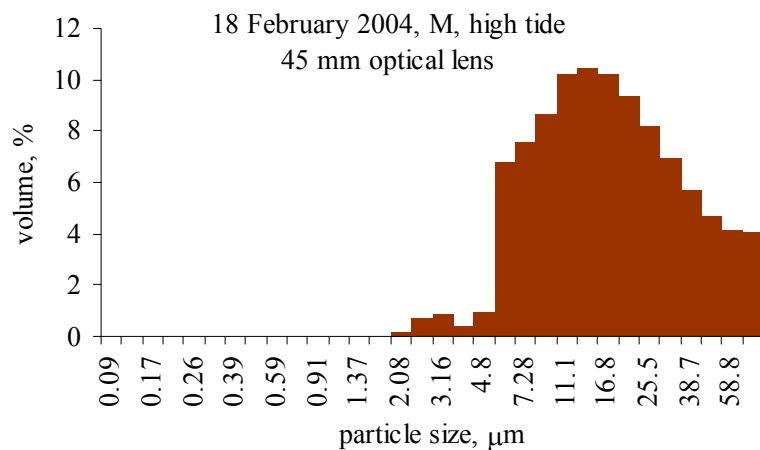
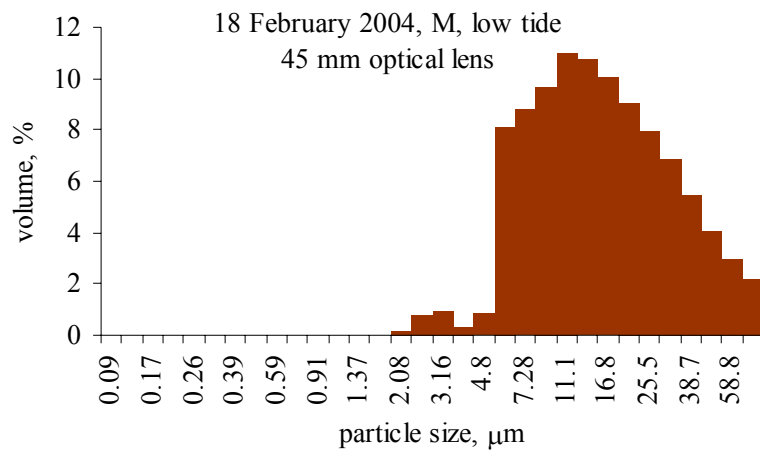
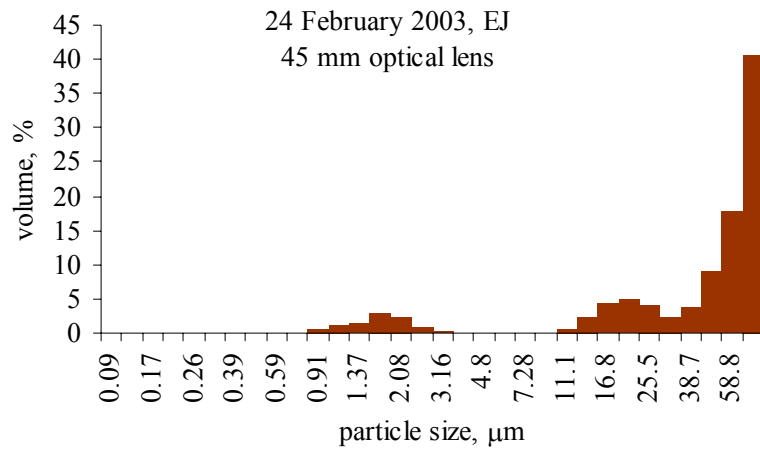
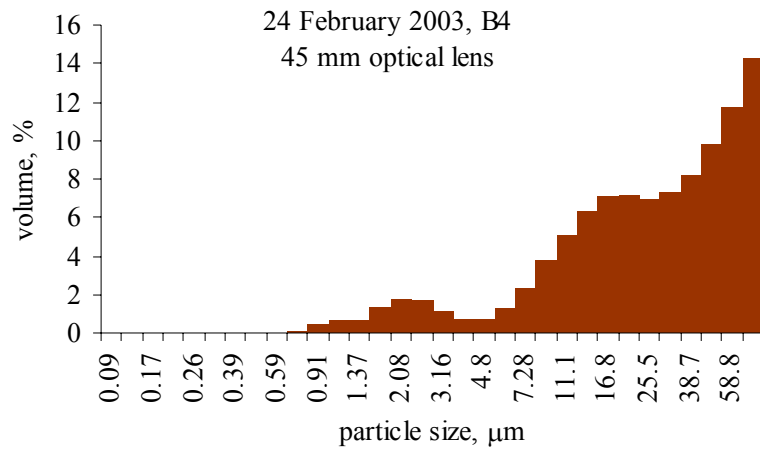


Figure A11 continued. Particle size distributions for field expeditions in the Lucinda region in February 2003, October 2003 and February 2004.

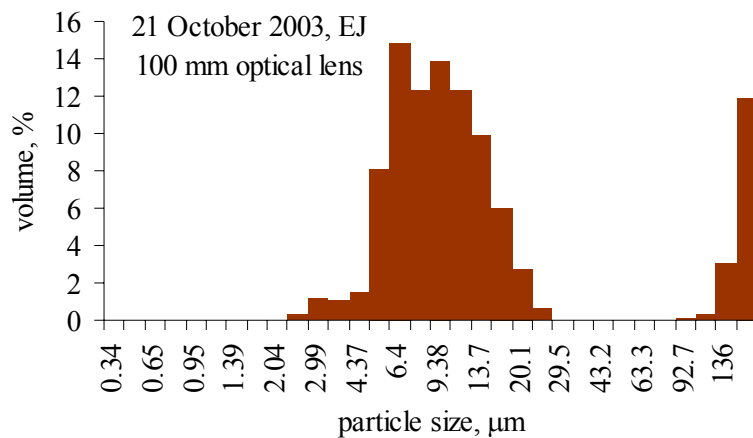
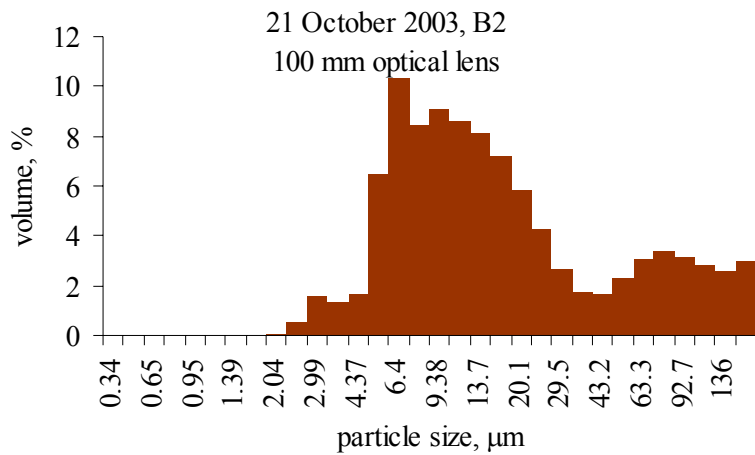
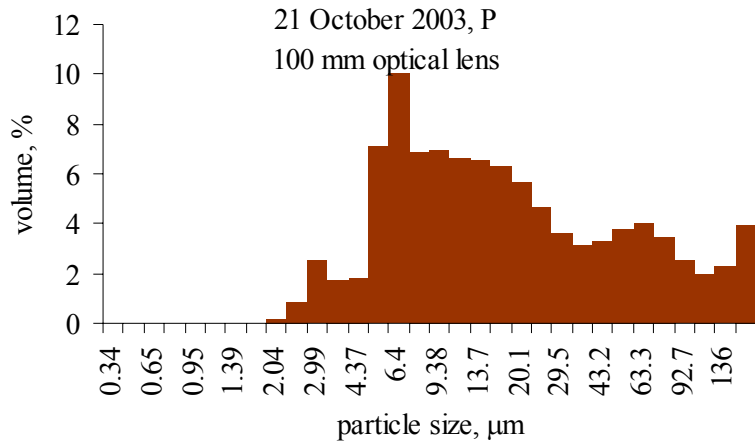
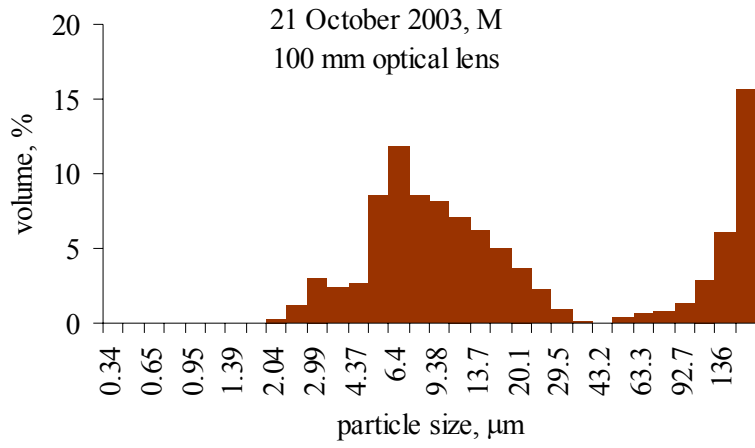


Figure A11 continued. Particle size distributions for field expeditions in the Lucinda region in February 2003, October 2003 and February 2004.

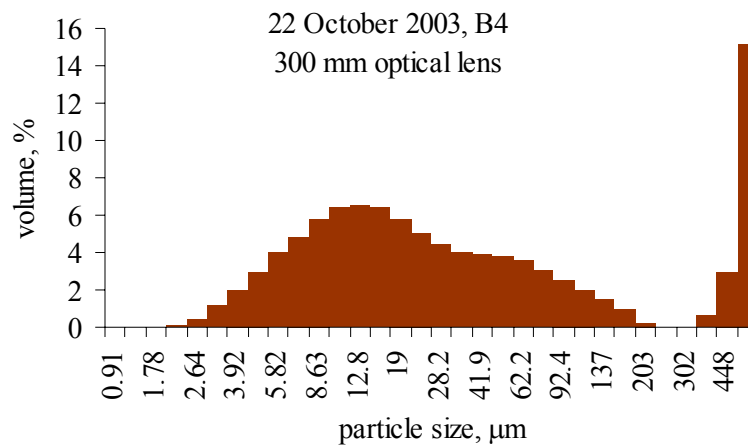
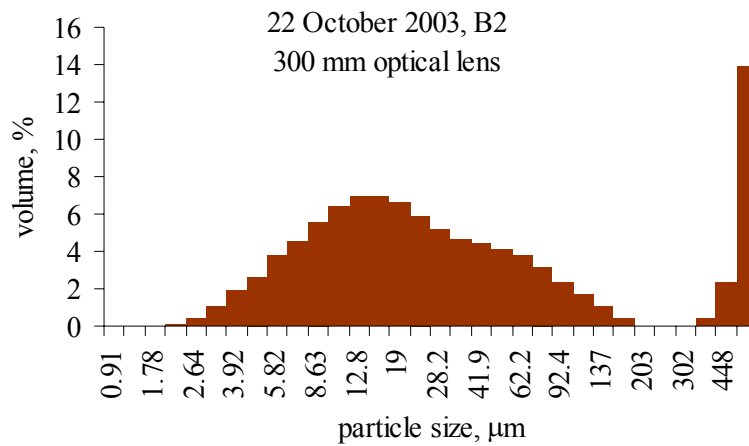
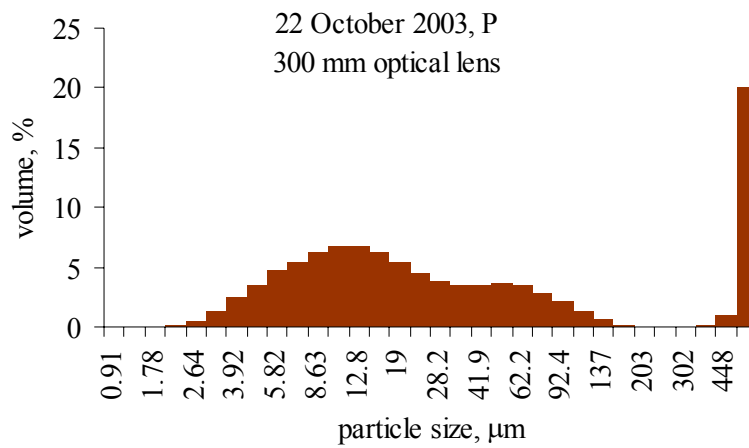
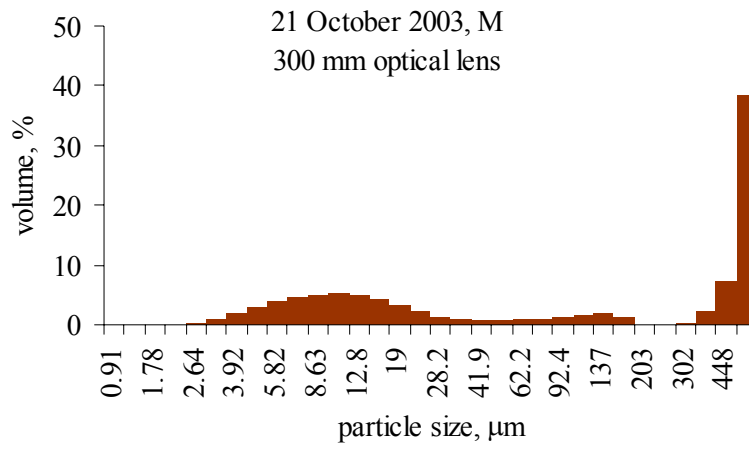


Figure A11 continued. Particle size distributions for field expeditions in the Lucinda region in February 2003, October 2003 and February 2004.

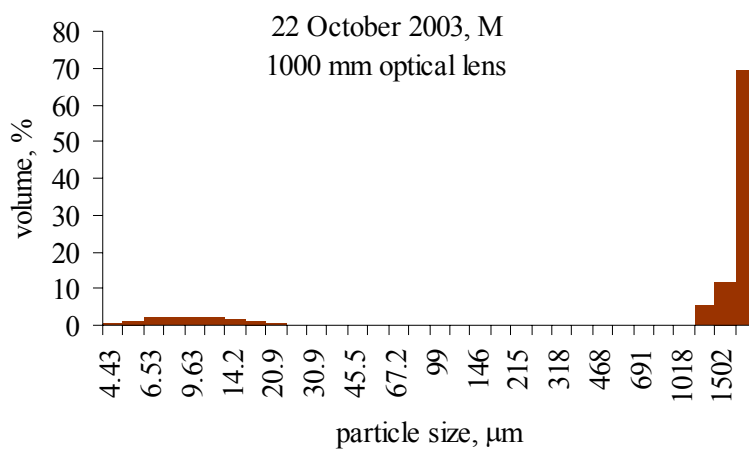
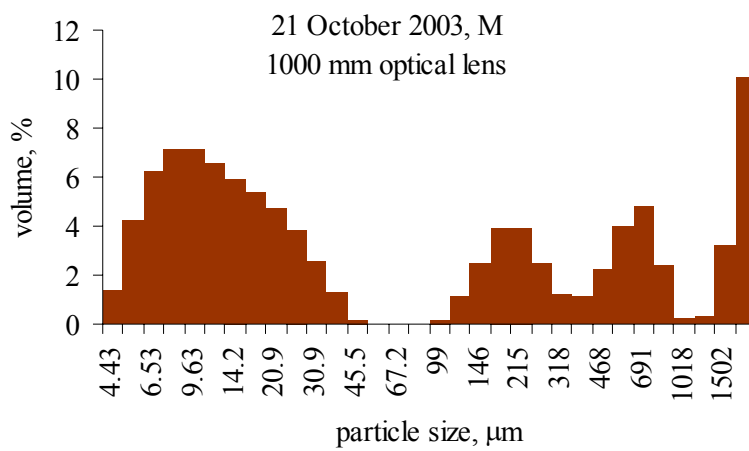
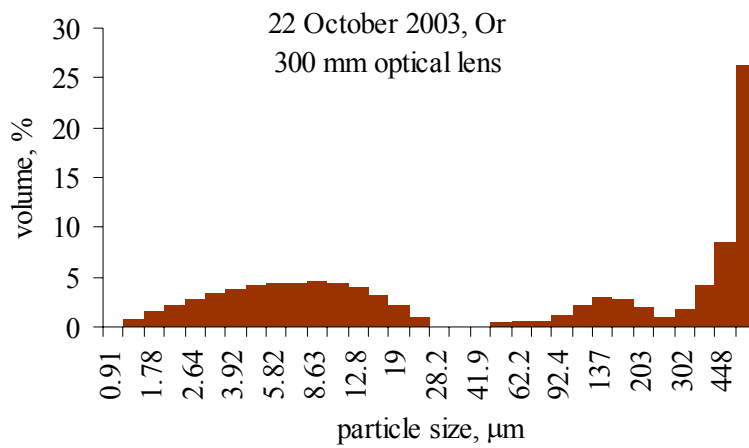
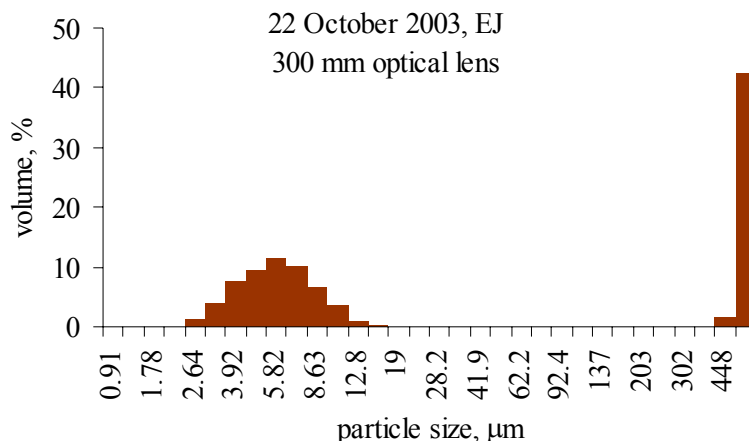


Figure A11 continued. Particle size distributions for field expeditions in the Lucinda region in February 2003, October 2003 and February 2004.

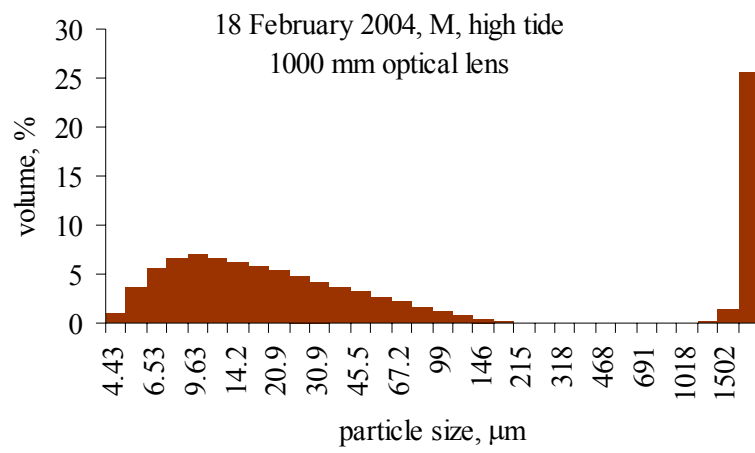
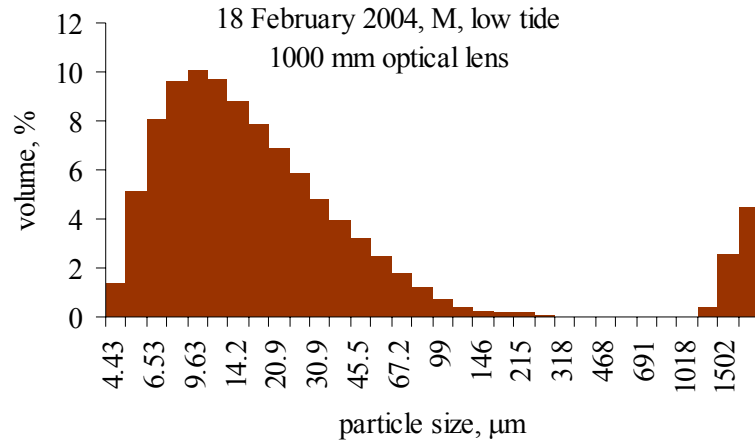


Figure A11 continued. Particle size distributions for field expeditions in the Lucinda region in February 2003, October 2003 and February 2004.

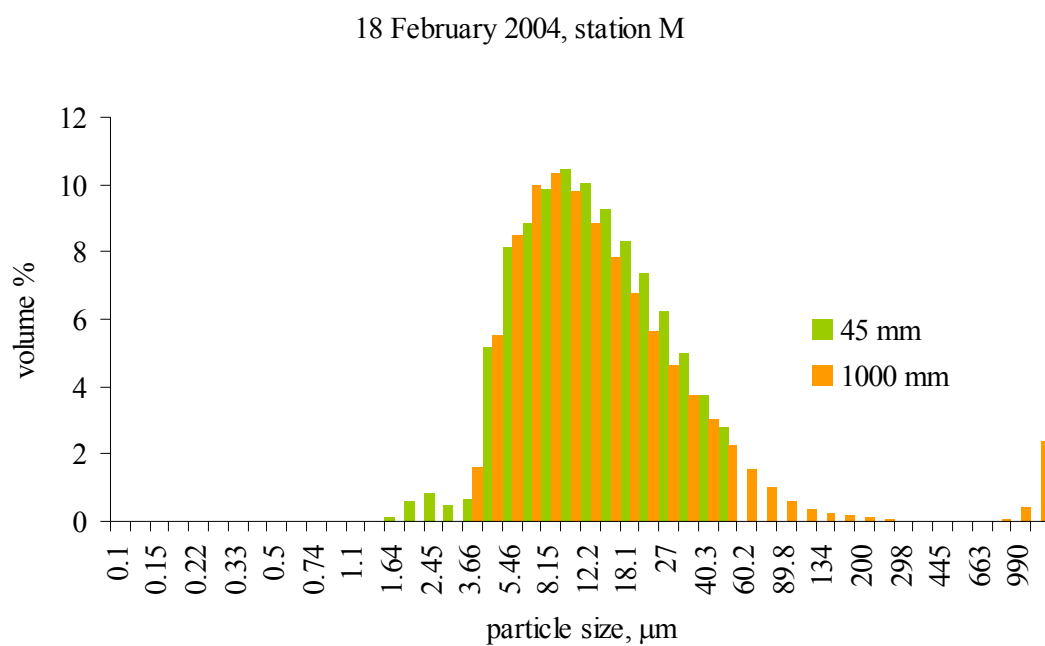
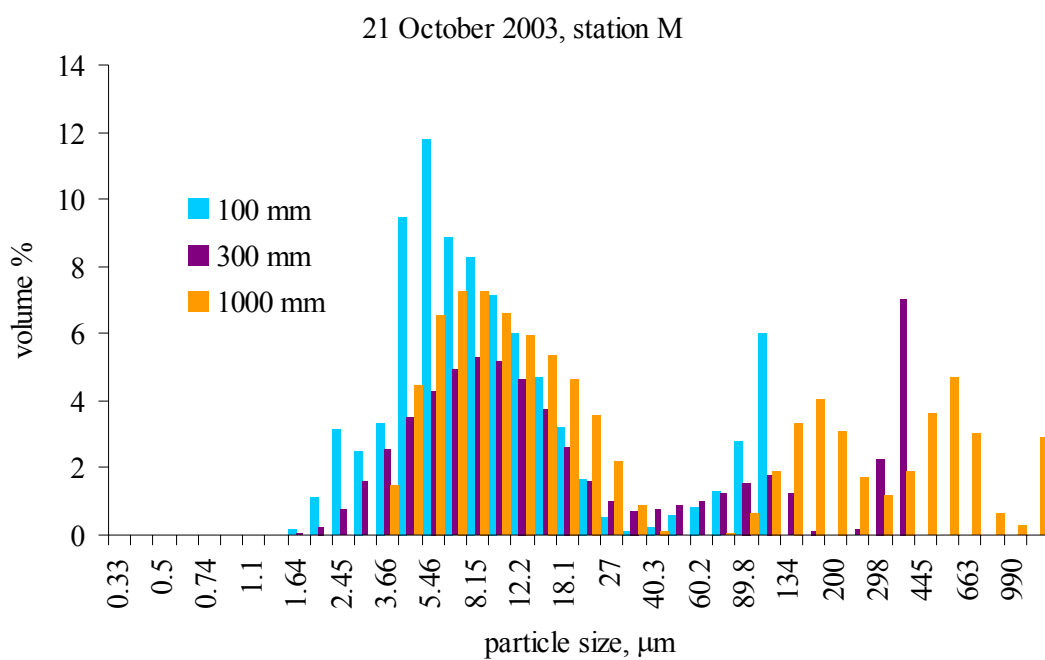


Figure A12. Particle size distributions with different optical lenses for field expeditions in the Lucinda region in October 2003 and February 2004.

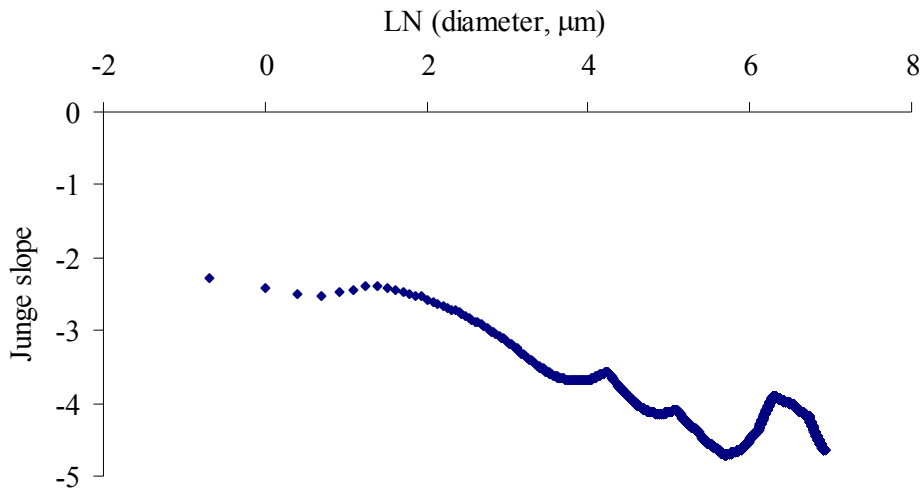


Figure A13. Jungé slope of averaged PSD for field expeditions in the Lucinda region in 2003-2004 calculated for various size ranges (the smaller diameter is fixed).

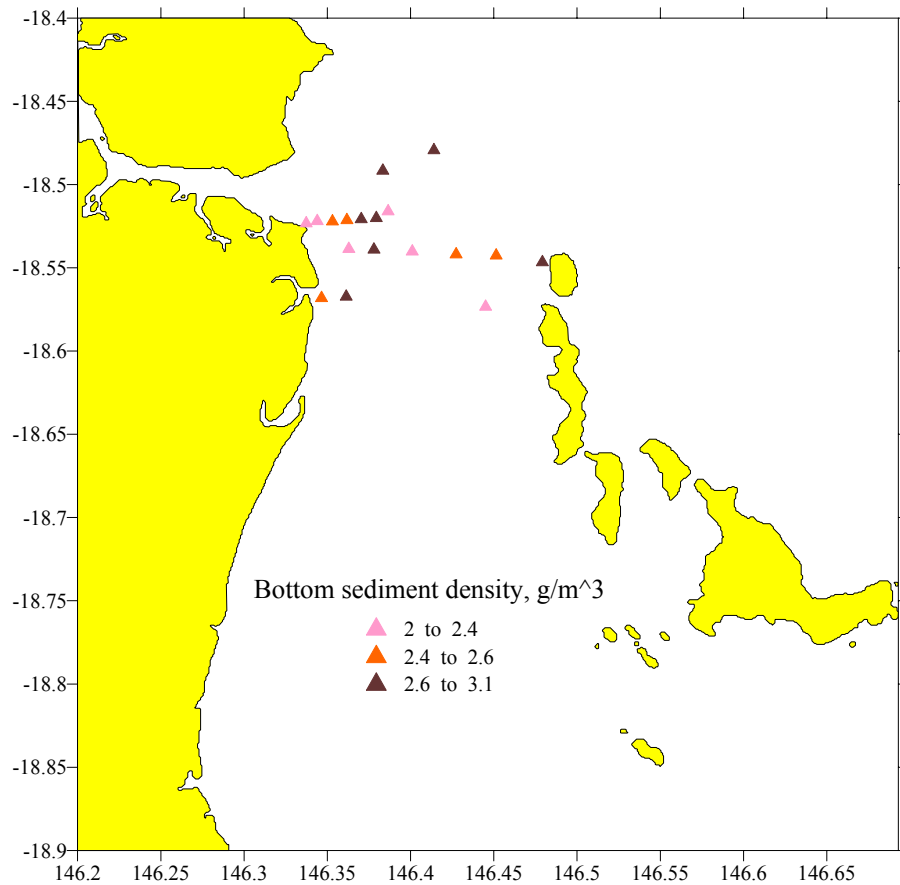


Figure A14. Bottom sediment density measured in the Lucinda region in October 2003 and February 2004.