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CHAPTER 6. GLOBAL FLUXES AND THE DEEP CIRCULATION 6.1 THE OCEANIC HEAT BUDGET; 6.2 CONSERVATION OF SALT; 6.3 OCEAN WATER MASSES; 6.4 OCEANIC MIXING AND TEMPERATURE-SALINITY DIAGRAMS; 6.5 NON-CONSERVATIVE AND ARTIFICIAL TRACERS; 6.6 GLOBAL FLUXES OF HEAT AND FRESHWATER; 6.7 SUMMARY OF CHAPTER 6; SUGGESTED FURTHER READING; ANSWER AND COMMENTS TO QUESTIONS; ACKNOWLEDGEMENTS; INDEX

Sommario/riassunto

This second edition retains the general structure of the first edition, but has been updated in the light of recent oceanographic research, and improved as a teaching text on the basis of feedback from past students and other readers. Notable additions include new sections addressing the topic of numerical modelling, and more discussion of natural oscillations in the ocean-atmosphere system (previously confined to the El Nino phenomenon). In particular, the Chapter on the North Atlantic now includes a discussion of the North Atlantic Oscillation, as well as of the

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