APPENDIX A - TIME SERIES OF WIND, ENTRAINMENT AND NITRATE MODEL OUTPUT

The following pages present the model output data used in the analysis of Chapter 3. The data are in the form of time series plots for wind speed, entrainment velocity into the upper layer and nitrate concentration in the upper layer. The three time series are shown for each of the grid points 2431, 1366, 872 and 410, and cover the model "seasons" 1970-1988. A 24 h running average has been performed on all data. The data are arranged one season to a page, for the purposes of comparison between variables and grid points.

The time scale is given in terms of season days, with Day 0 corresponding to April 1, so that the data sets cover April to July of each year. For each grid point, two graphs are provided:

1. Wind speed/entrainment time series. Wind speed is shown by solid lines, and has units of m s\(^{-1}\). Entrainment velocity is shown by dotted lines, and has units of cm s\(^{-1}\).

2. Nitrate time series. These are plotted below the corresponding wind speed/entrainment series, and have units of μg-at l\(^{-1}\).
1971
1972
1973
1975
1980
1981
1982
1986
1987
1988