Supporting Information for

Mixed layer depth variability in the Red Sea

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Introduction

The figures and tables which support the results discussed in the manuscript “Mixed layer depth variability in the Red Sea” are given below. Detailed description on the attached figures and tables is given in the manuscript. A brief summary is given in the following lines.

Figure S1 shows the monthly distribution of the temperature profiles along the main-axis of Red Sea. The number of profiles are marked at the top right corner in each sub-figure. This document also includes bar charts showing the number of selected profiles along the main-axis of Red Sea based on the year (Fig. S2) and month (Fig. S3) of measurement. Similarly, a bar chart is included to show the number of profiles with salinity values in the study area (Fig. S4).
Figure S1. Monthly distribution of the temperature profiles along the main-axis of Red Sea. The number of profiles is marked at the top right corner. The different steps of quality control are discussed in the main manuscript.

Figure S2. Number of temperature profiles along the main-axis of Red Sea based on the year of measurement.

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Figure S3. Number of temperature profiles along the main-axis of Red Sea based on the month of measurement.
Figure S4. Number of total salinity profiles available in the entire Red Sea based on the year of measurement.