Supporting Information for

Mixed layer depth variability in the Red Sea 2

Cheriyeri P. Abdulla^{1*}, Mohammed A. Alsaafani^{1, 2}, Turki M. Alraddadi¹, and Alaa M. Albarakati¹ 3

¹Department of Marine Physics, Faculty of Marine Sciences, King Abdulaziz University, Jeddah, Saudi Arabia.
²Department of Earth & Environmental Sciences, Faculty of Science, Sana'a University, Yemen.

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⁷ Correspondence to: Cheriyeri P. Abdulla (acp@stu.kau.edu.sa)

10 Contents of this file

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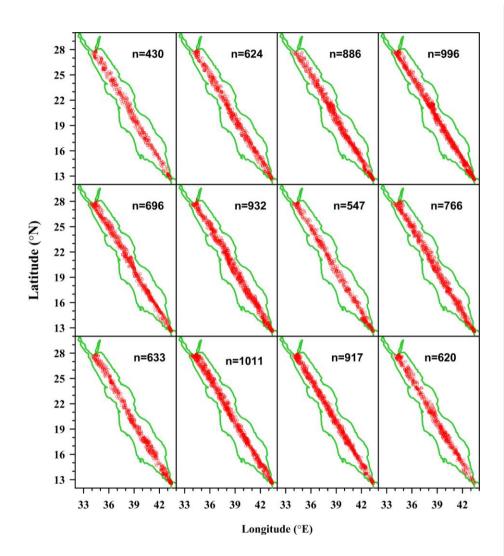
23 Introduction

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.

- 27 Figure S1 shows the monthly distribution of the temperature profiles along the main-axis of Red Sea. The
- 28 <u>number of profiles are marked at the top right corner in each sub-figure. This document also includes bar</u>
- 29 charts showing the number of selected profiles along the main-axis of Red Sea based on the year (Fig.
- 30 S2) and month (Fig. S3) of measurement. Similarly, a bar chart is included to show the number of profiles
- 31 with salinity values in the study area (Fig. S4).

Deleted: 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 tables of number of profiles removed at different steps of quality checking procedure and the number of selected profiles along the mainaxis of Red Sea based on the month and year of measurement. Similarly, a table is included to show the number of profiles with salinity values in the study area. ¶

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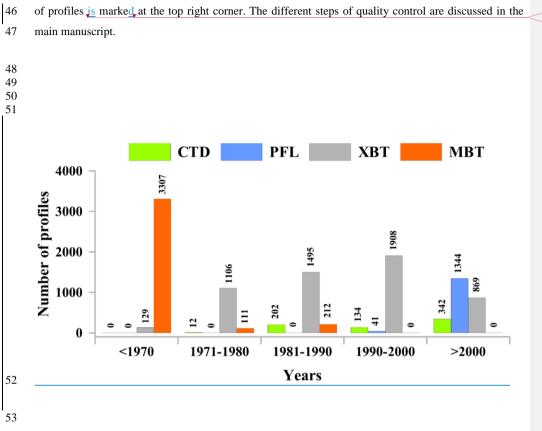


Figure S1. Monthly distribution of the temperature profiles along the main-axis of Red Sea. The number 45

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- 54 Figure S2. Number of temperature profiles along the main-axis of Red Sea based on the year of 55 measurement.
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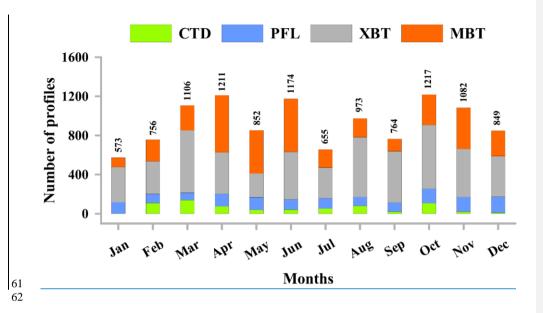


Figure S3. Number of temperature profiles along the main-axis of Red Sea based on the month ofmeasurement.

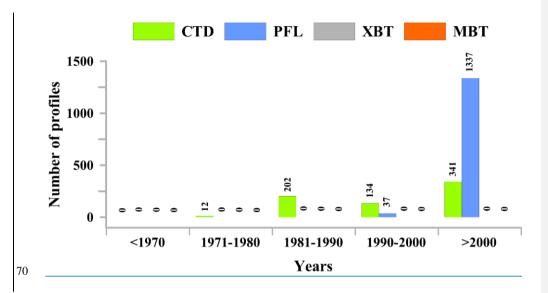


Figure S4. Number of total salinity profiles available in the entire Red Sea based on the year of
 measurement.

