

1

2

*Paleoceanography and Paleoclimatology*

3

Supporting Information for

4

**Responses of the East Asian summer monsoon in the low-latitude South China Sea to high-latitude millennial-scale climatic changes during the last glaciation: Evidence from a high-resolution clay mineralogical record**

5

6

7

Shaohua Zhao<sup>1</sup>, Zhifei Liu<sup>1\*</sup>, Christophe Colin<sup>2</sup>, Yulong Zhao<sup>1</sup>, Xingxing Wang<sup>1</sup>, Zhimin Jian<sup>1</sup>

8

9

1. State Key Laboratory of Marine Geology, Tongji University, Shanghai 200092, China

10

2. Laboratoire Géoscience Paris Sud (GeoPS), UMR 8148 CNRS-Université de Paris-Sud, Orsay 91405, France

11

12

13

**Contents of this file**

15

Table S1

16

17

**Additional Supporting Information**

19

Captions for Table S1

20

21

**Introduction**

22

23 The supporting information of Table S1 contains clay mineral assemblage data of 406  
24 samples from Core MD12-3434 in the northern South China Sea (SCS). The clay  
25 mineral assemblage include smectite, illite, chlorite, and kaolinite; illite crystallinity and  
26 ratio of smectite/(illite + chlorite) are also provided.

27

28 **Table S1.** Clay mineral assemblage of Core MD12-3434 in the northern South China  
29 Sea (SCS).