Initial intensification of East Asian winter monsoon at about 2.75 Ma as seen in the Chinese eolian loess-red clay deposit

2003 1 2003 2003 2003.

[illegible] ., Liu et al., 19 Ding et al., 1999 [illegible] 20 Guo et al., 2002 [illegible] Rea, 199 [illegible] Ding et al., 1999 Xiong et al., 2002 [illegible] Ding et al., 2000 [illegible]

INDEX TERMS: 33 [illegible] 9320 [illegible] KEYWORDS: [illegible]

Citation: Xiong, S. F., Z. L. Ding, W. Y. Jiang, S. L. Yang, and T. S. Liu, Initial intensification of East Asian winter monsoon at about 2.75 Ma as seen in the Chinese eolian loess-red clay deposit, Geophys. Res. Lett., 30(10), 1 , o 10.1029/2003 01 0 9, 2003.

1. Introduction

[illegible] ., Shackleton et al., 19 [illegible] ., Jansen and Sjoholm, 1991 Maslin et al., 199 [illegible] ., Raymo et al., 1992 [illegible] ., Keigwin, 19 Haug and Tiedemann, 199 [illegible] Ruddiman and Kutzbach, 19 [illegible] Raymo and Ruddiman, 1992 [illegible] Maslin et al., 199 Haug and Tiedemann, 199 [illegible]

[illegible] 2. [illegible]

2. Material and Method

[illegible] (3 ° ′10″, 10 ° ° 3″) [illegible] Xiong et al., 2002 [illegible] 9.2- [illegible] (3 ° ′30″, 10 °22′0 ″) [illegible] Yang et al., 2000 [illegible] 200- [illegible] 12 [illegible] Yang et al., 2000 [illegible] 1).

[illegible] (3 °00′33″, 10 °30′33″) [illegible] Ding et al., 1999 [illegible]

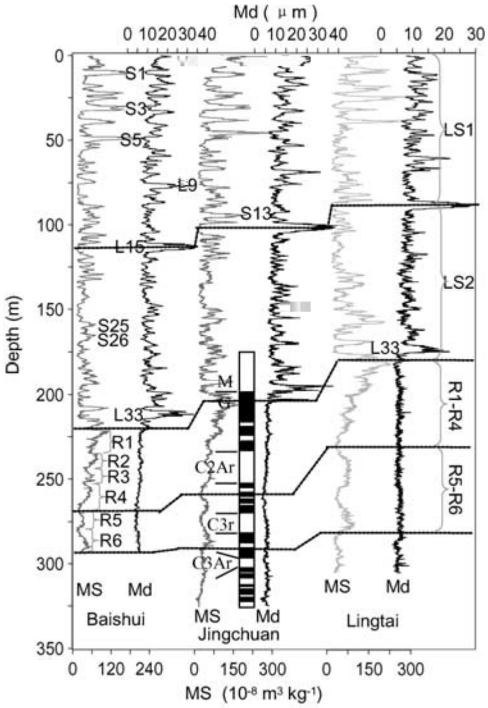

Figure 1. [illegible] Yang et al., 2000 [illegible] Ding et al., 1999, [illegible] (i) [illegible] (i) [illegible] Yang et al., 2000 [illegible]

[illegible] Xiong et al., 2002 [illegible] 1 ([illegible] 0 [illegible] 1) [illegible] 2 ([illegible] 1 [illegible] 1). [illegible] 1 [illegible] Xiong et al., 2002 ([illegible] 1). [illegible] 10 [illegible] 3000 [illegible] 2 [illegible] Xiong et al., 2002 [illegible] -300 [illegible] 20% ([illegible]) [illegible] Yang et al., 2000 Ding et al., 1999 [illegible] Yang et al., 2000 [illegible] Cande and Kent, 1995 [illegible]

[illegible] 1, [illegible] 1). [illegible] Yang et al., 2000 Xiong et al., 2002 [illegible]

3. Results

[illegible] 1). [illegible] μ [illegible] 1 [illegible] 2 μ [illegible] 12 μ). [illegible] 2 [illegible] 1, [illegible] 2). [illegible] 11 [illegible] 20 [illegible] 29 μ [illegible] 3 μ [illegible] 1 [illegible] % [illegible] 3 [illegible] % [illegible] 1 [illegible] 21 [illegible] %. [illegible] 2). [illegible] 10 [illegible] 2 μ [illegible] 32 μ [illegible] 1, [illegible] 3). [illegible] 1 [illegible] 1, [illegible] 2) [illegible]

Table 1. [illegible]

Jingchuan Depth (m)	Age (Ma)	Baishui Depth (m)	Age (Ma)
1[illegible].2	2.1[illegible]	[illegible].0	2.1[illegible]
199.0	2.[illegible]1	213.[illegible]	2.[illegible]1
2[illegible].0	3.0[illegible]	232.0	3.0[illegible]
21[illegible].0	3.11	2[illegible].0	3.11
232.[illegible]	3.[illegible]	[illegible].0	3.[illegible]
2[illegible]1.2	[illegible].1	2[illegible]2.3	[illegible].1
[illegible].0	.23	2[illegible].0	.23
2[illegible]2.0	.[illegible]	2[illegible].0	.[illegible]
31[illegible].0	[illegible]		

[illegible] Yang et al., 2000 [illegible]

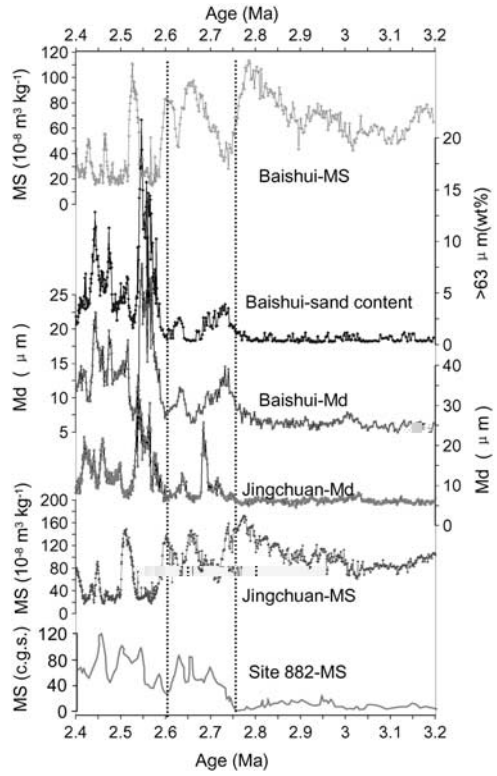

Figure 2 [illegible] Maslin et al., 19[illegible] 2.[illegible] 3.2 [illegible] 2 ([illegible] 2. [illegible] 26 [illegible].

[illegible] (1, 3). [illegible] Liu et al., 1[illegible], [illegible] Rea, 19[illegible] Liu et al., 19[illegible]

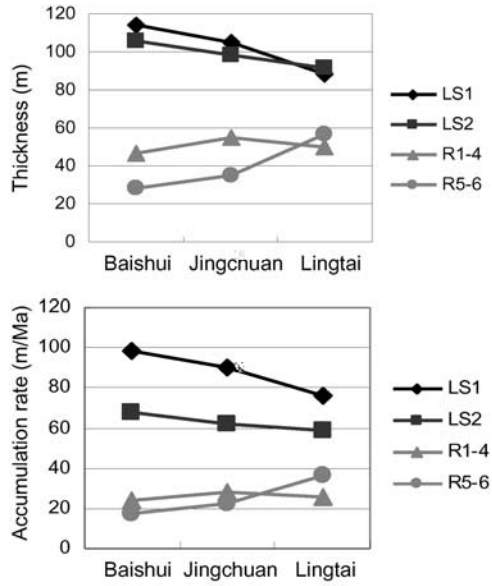

Figure 3 [illegible]

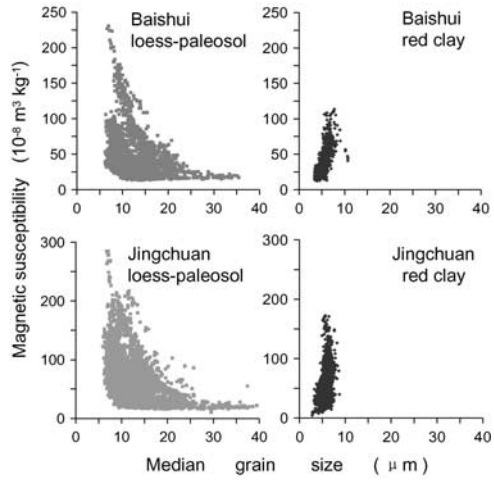

Figure 4 [illegible]

4. Discussion and Conclusions

[illegible]

Acknowledgments.

References