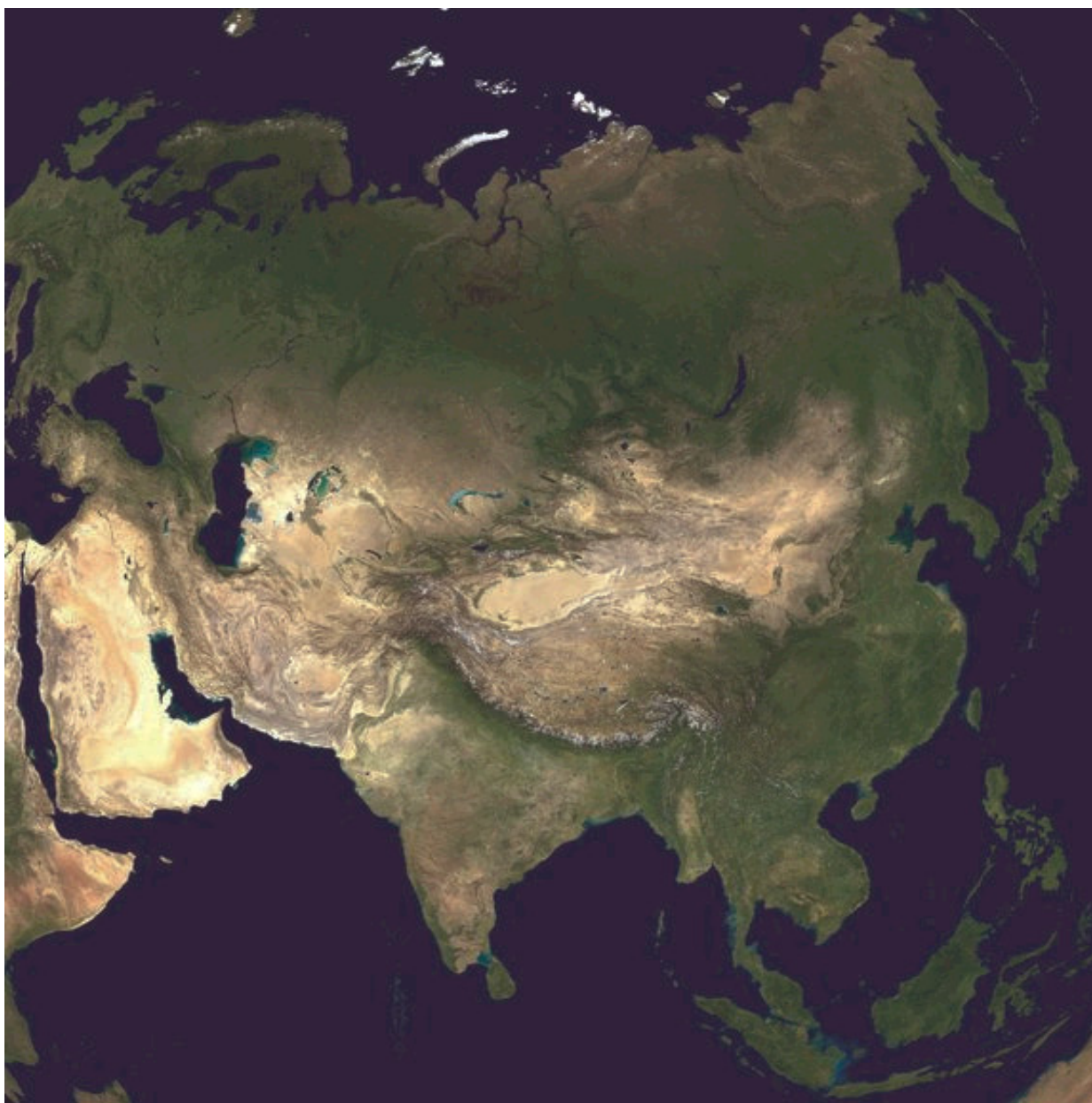


惑星固体圏の進化と多様性 に関する解析・モデリング

ユーラシア大陸の変形

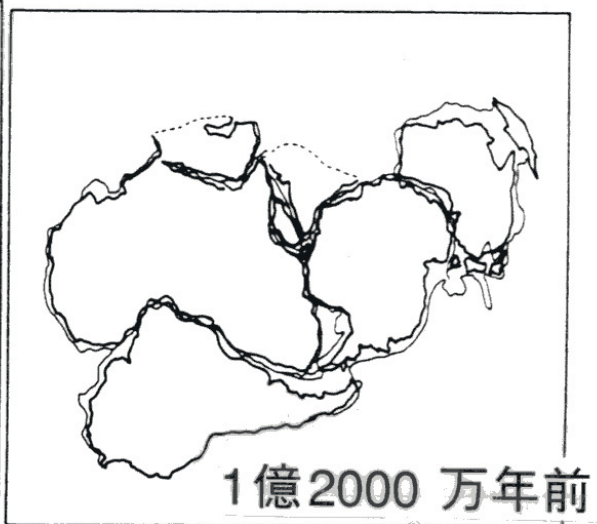
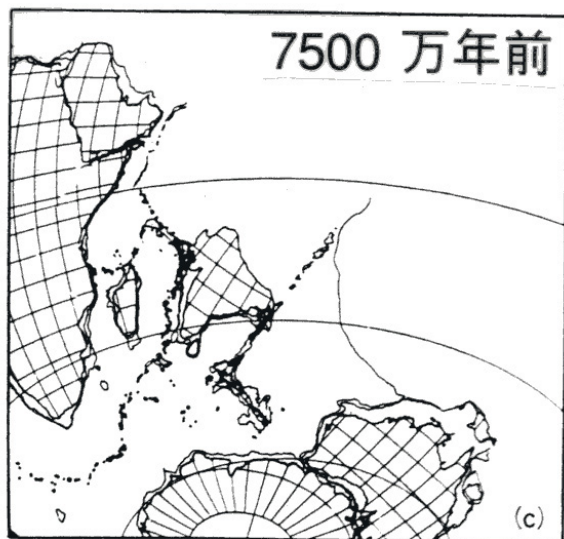
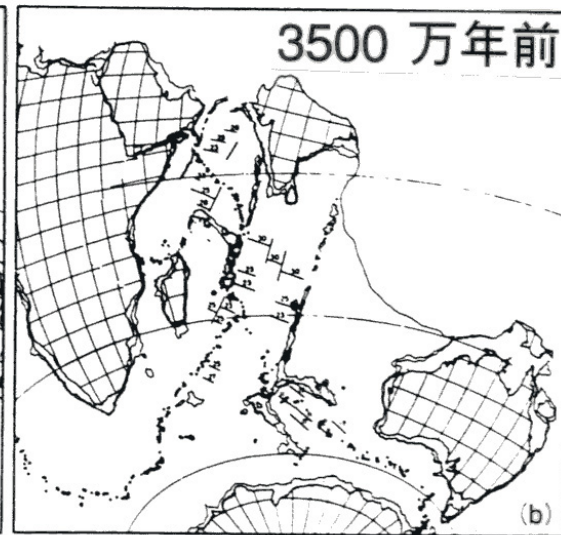
- * ユーラシア大陸・・・惑星規模だ
- * 大陸が形を変えるプロセスを人類はいまだ、知らない
- * 変形現象は、大陸の固体としての力学的性質解明の鍵だ
(大陸を実験室としてとらえる)



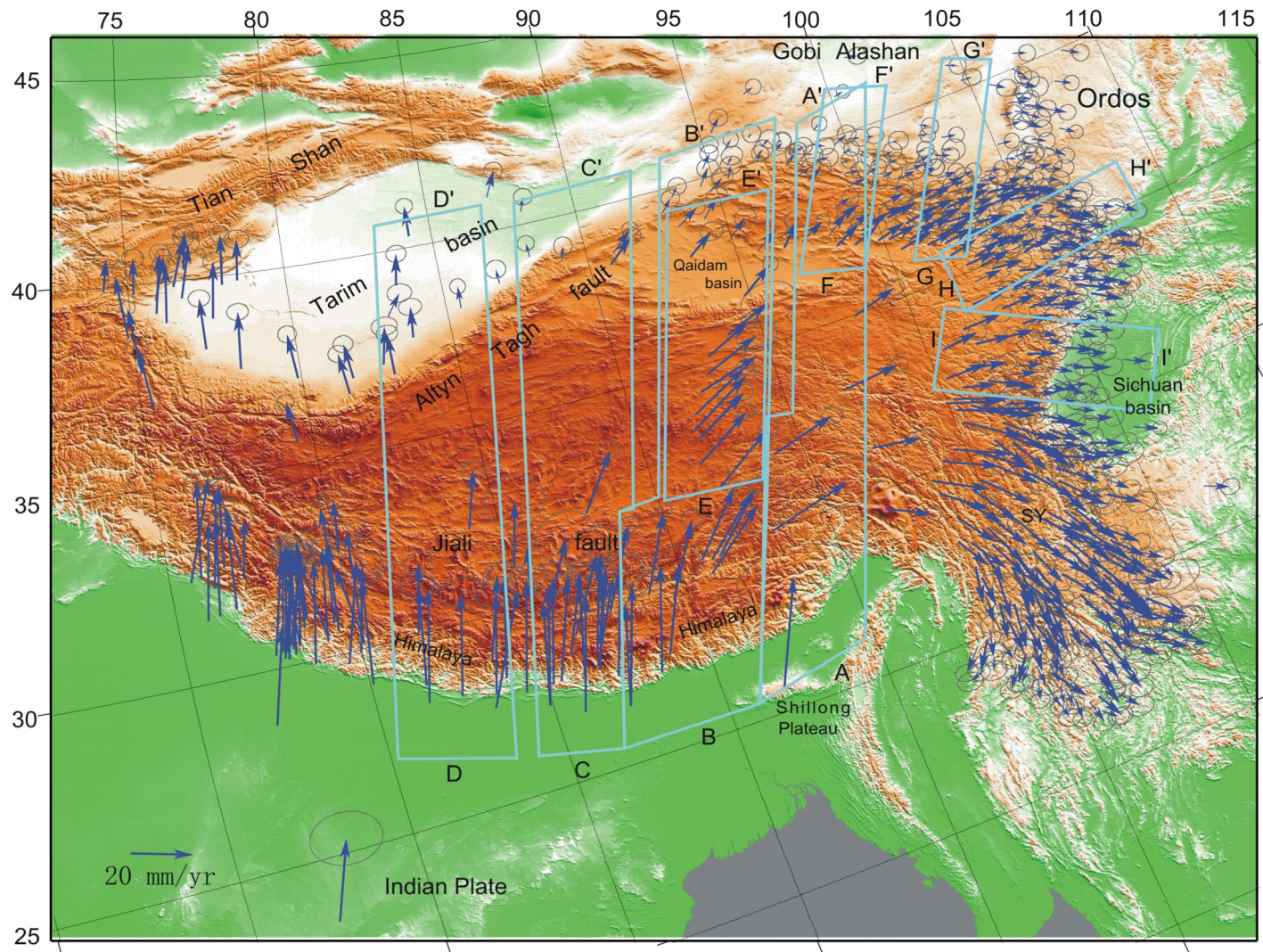


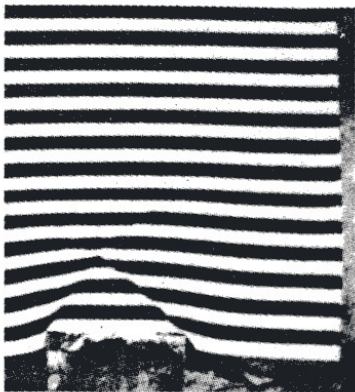




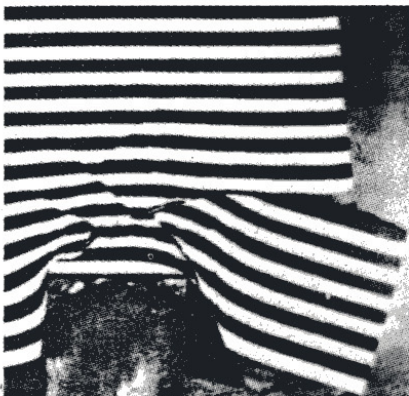








(4)

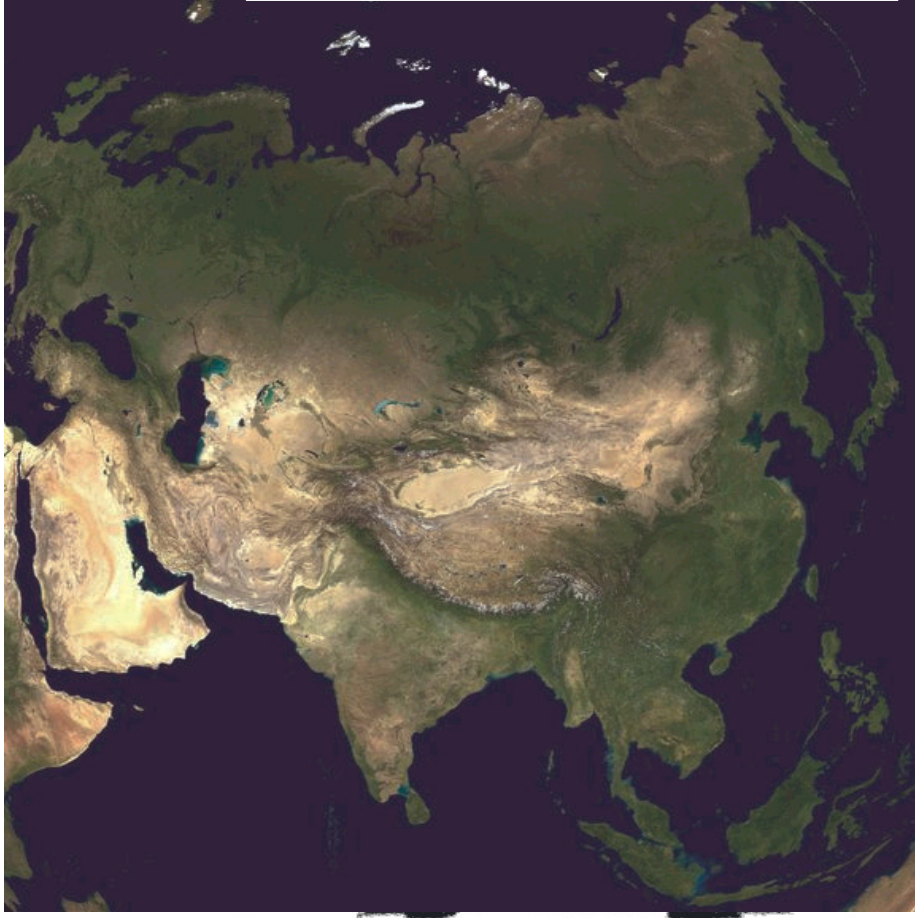


(5)



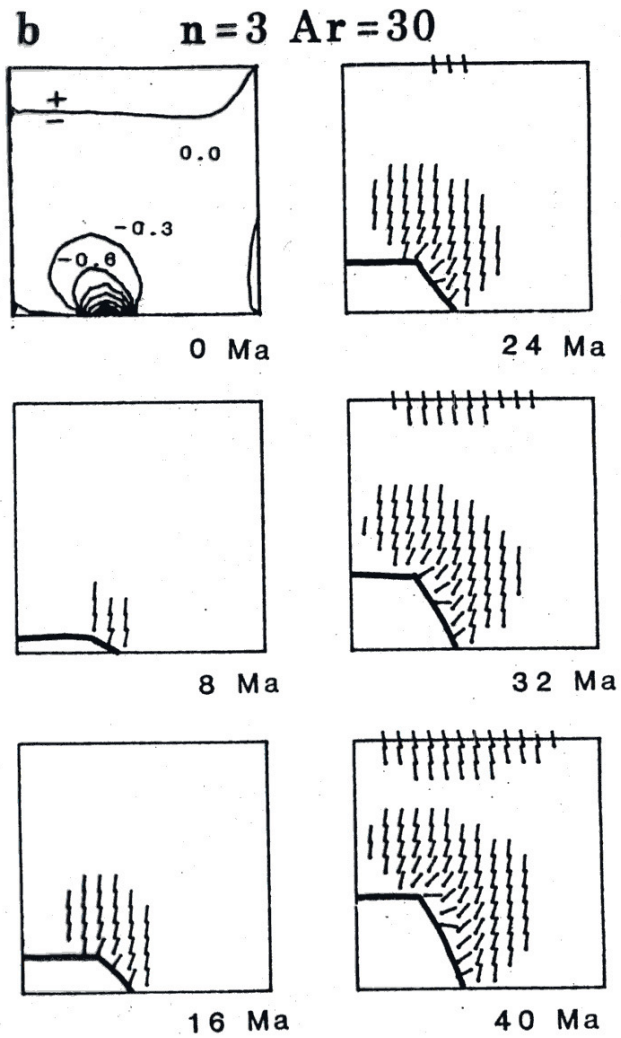
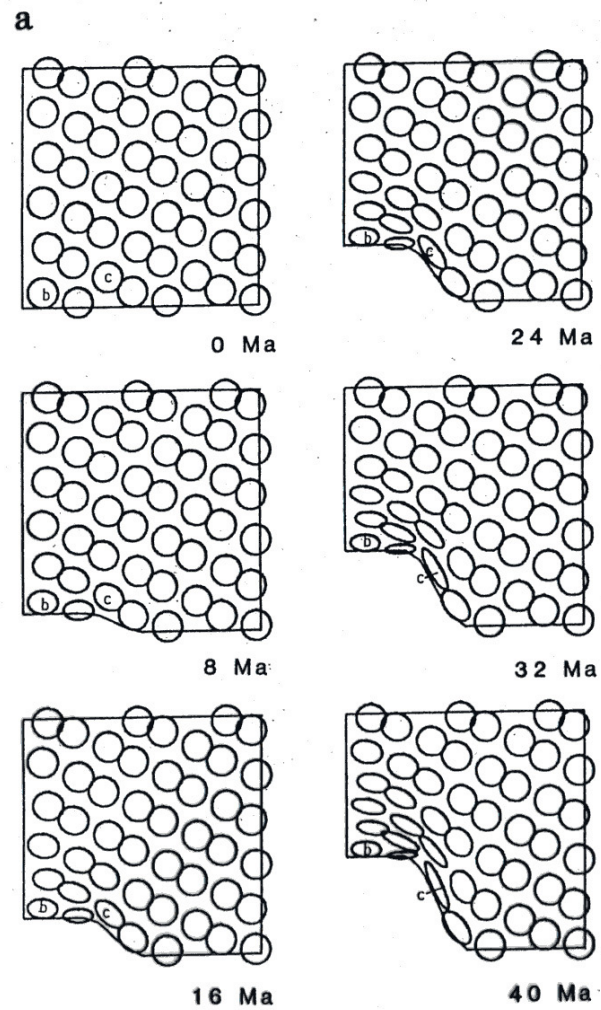
(6)

Tapponnier et al.
(1982)

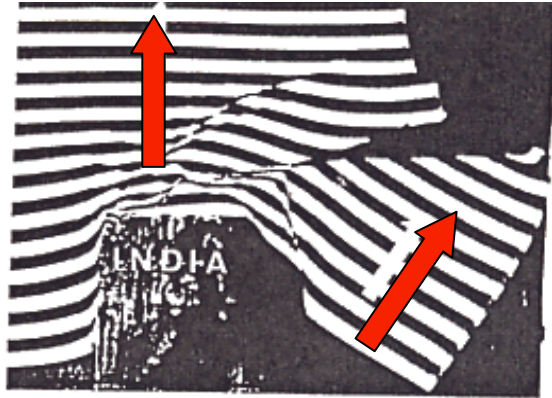


(a)

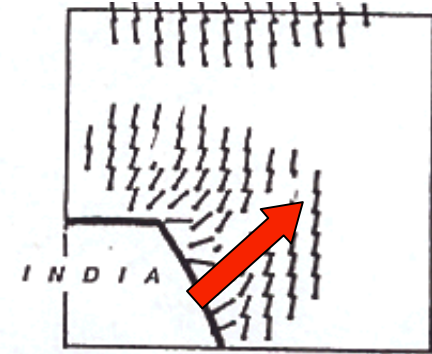




Houseman and England (1986)



Peltzer and Tapponnier (1988)

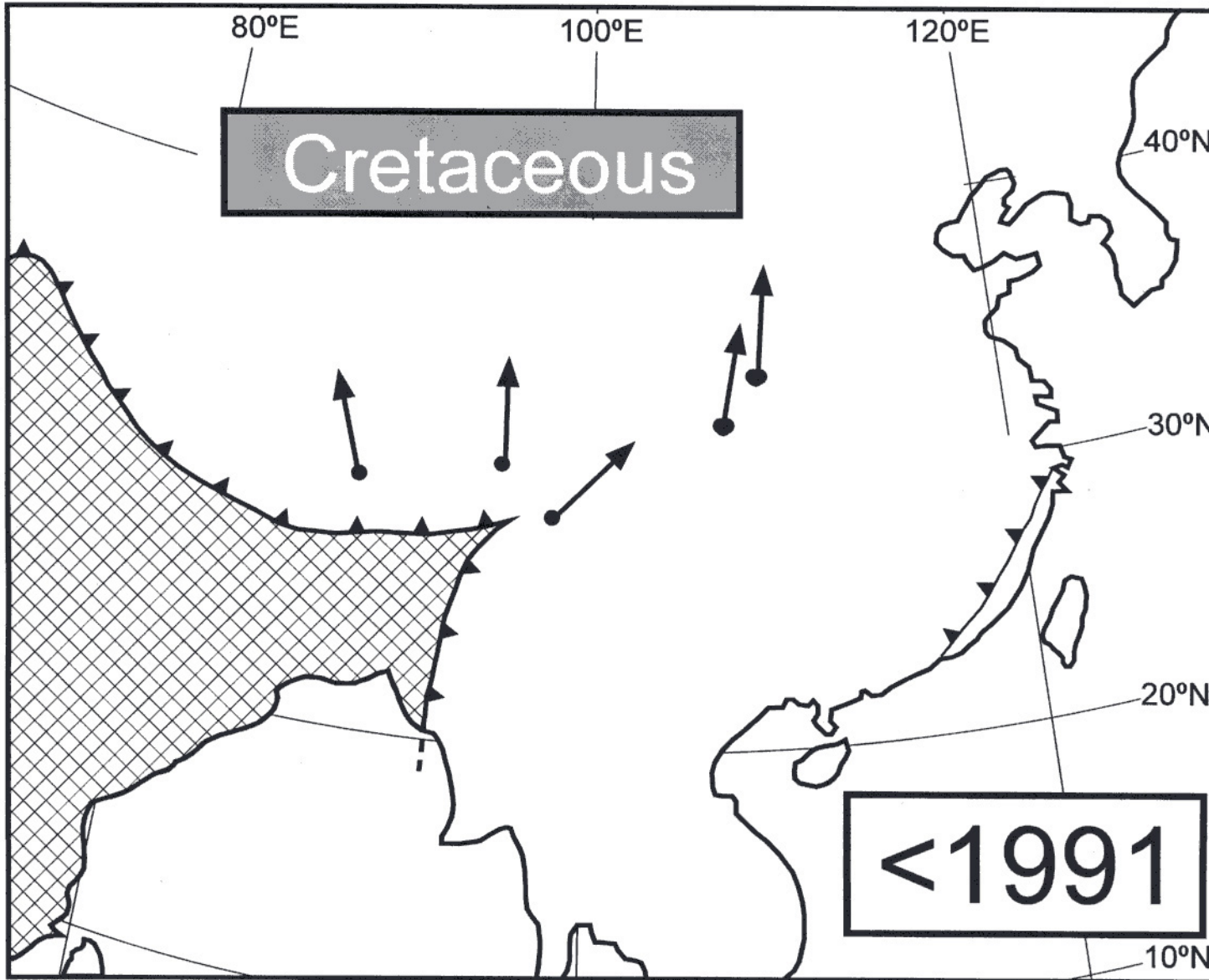


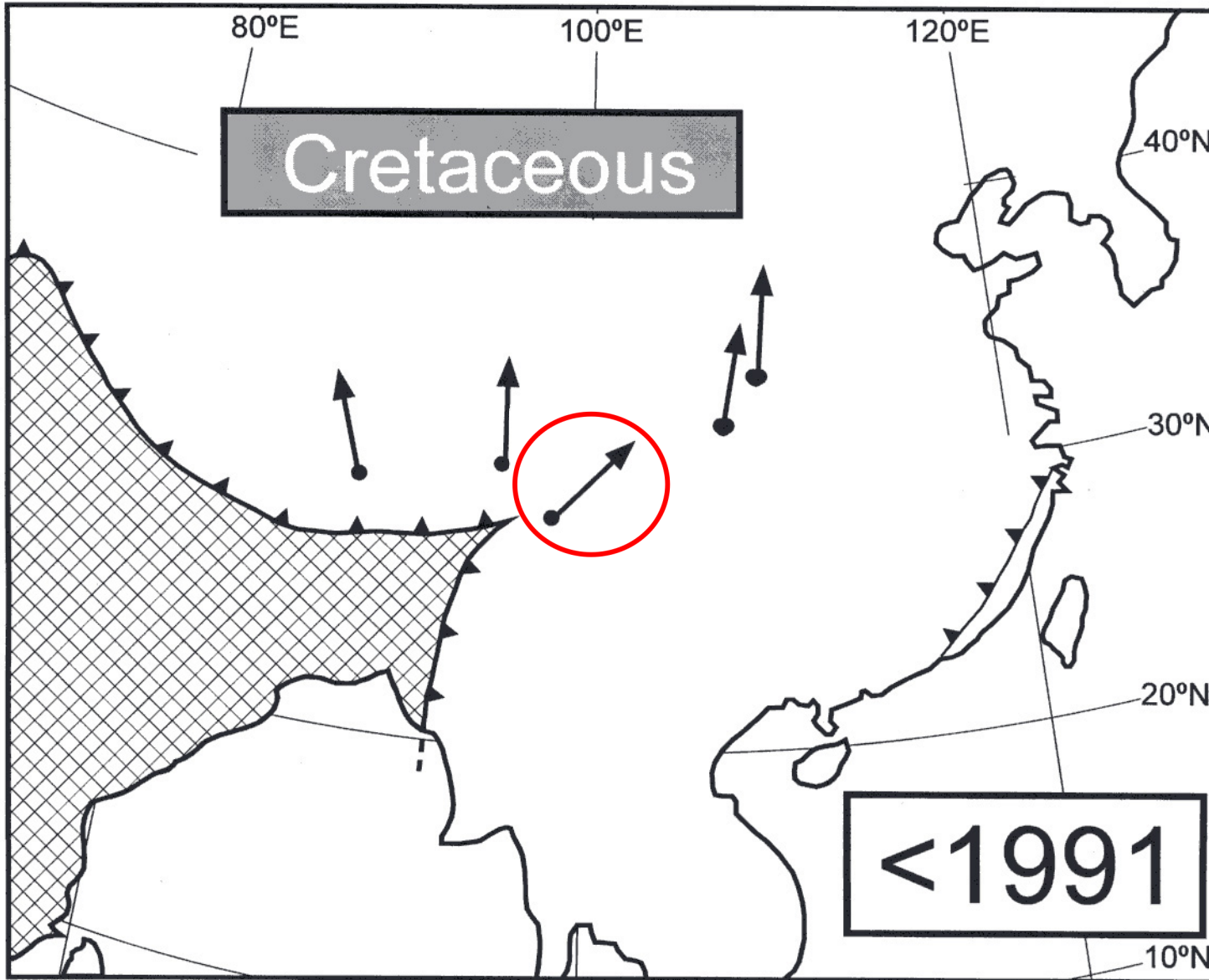
Houseman and England (1986)

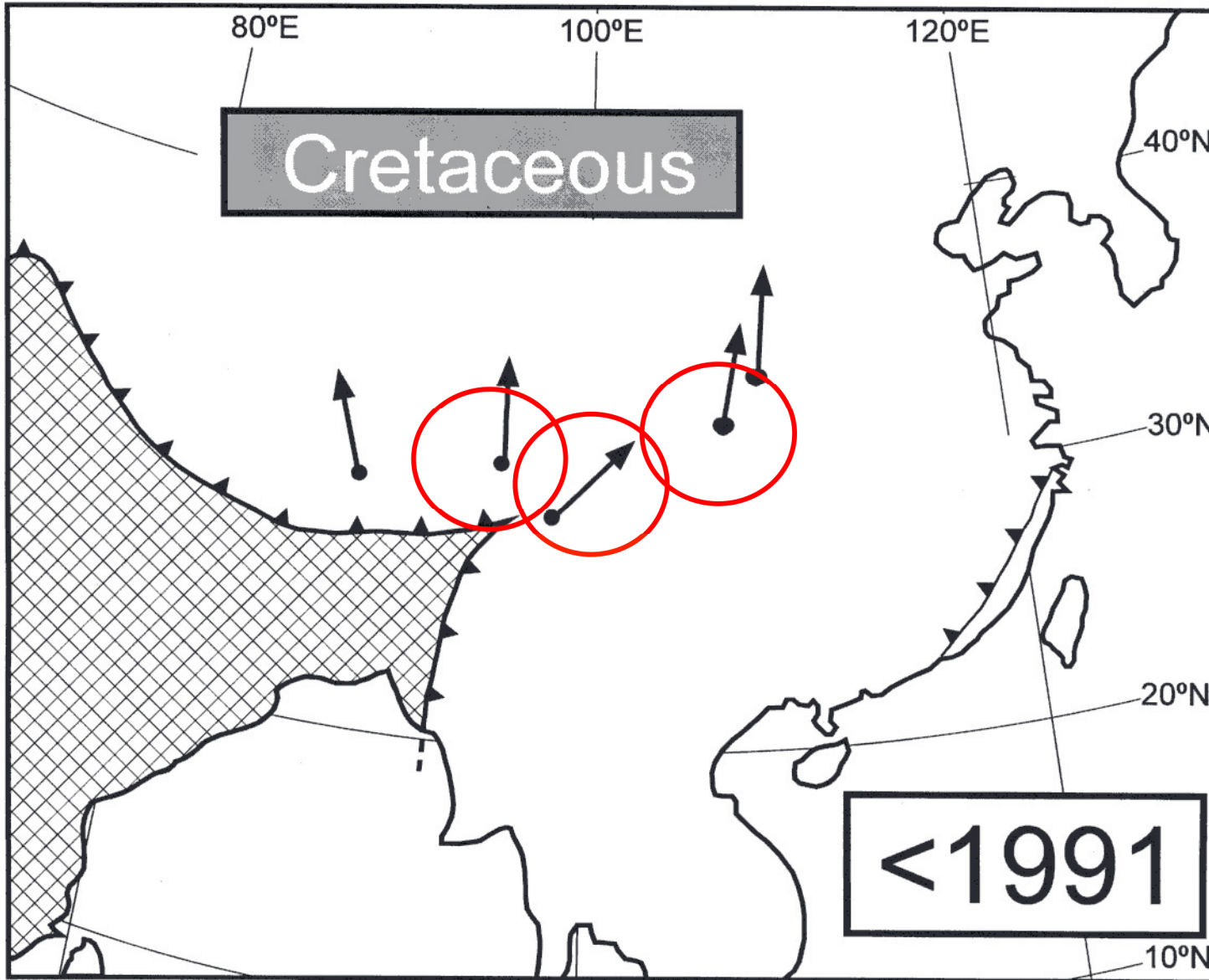
40 Ma

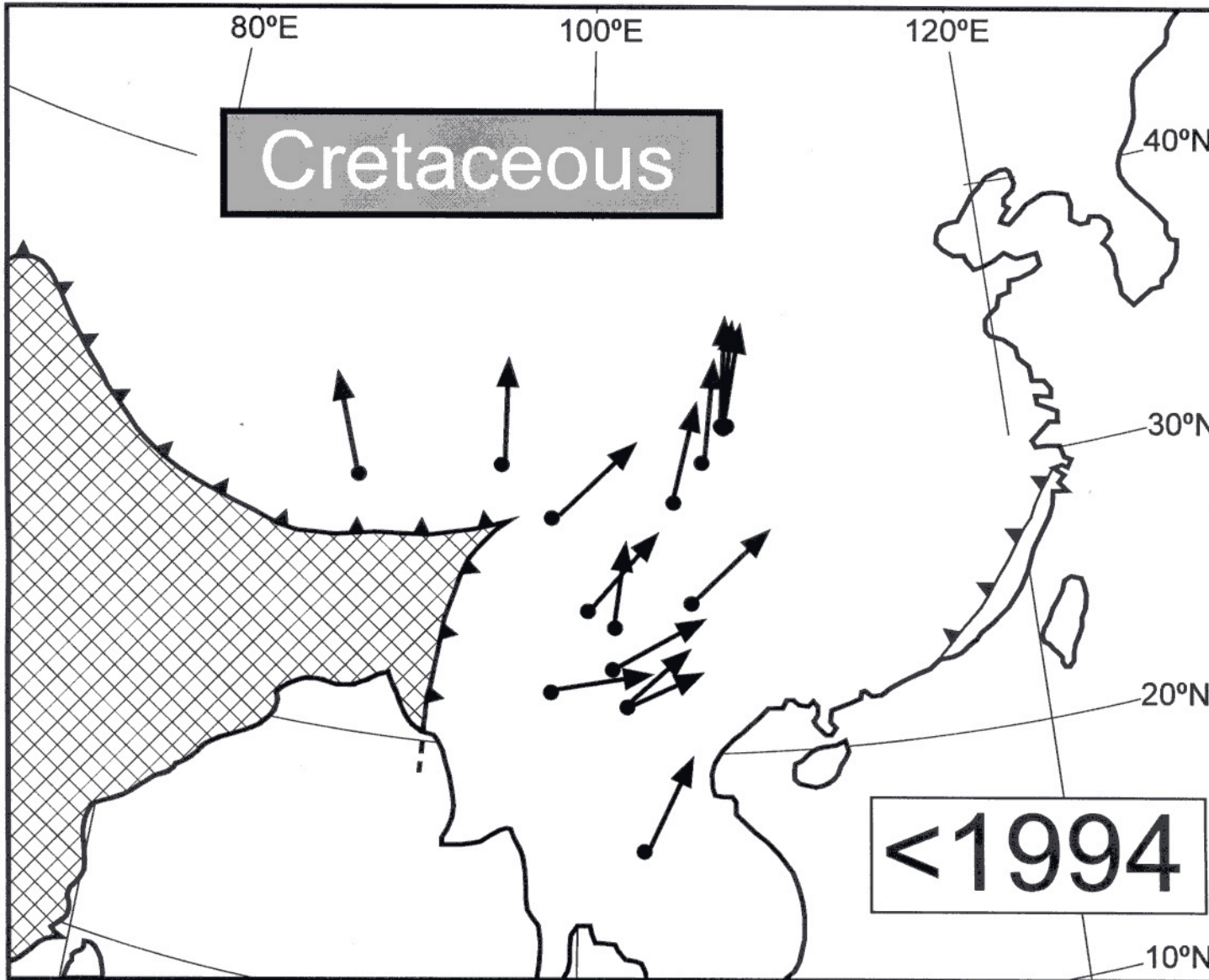


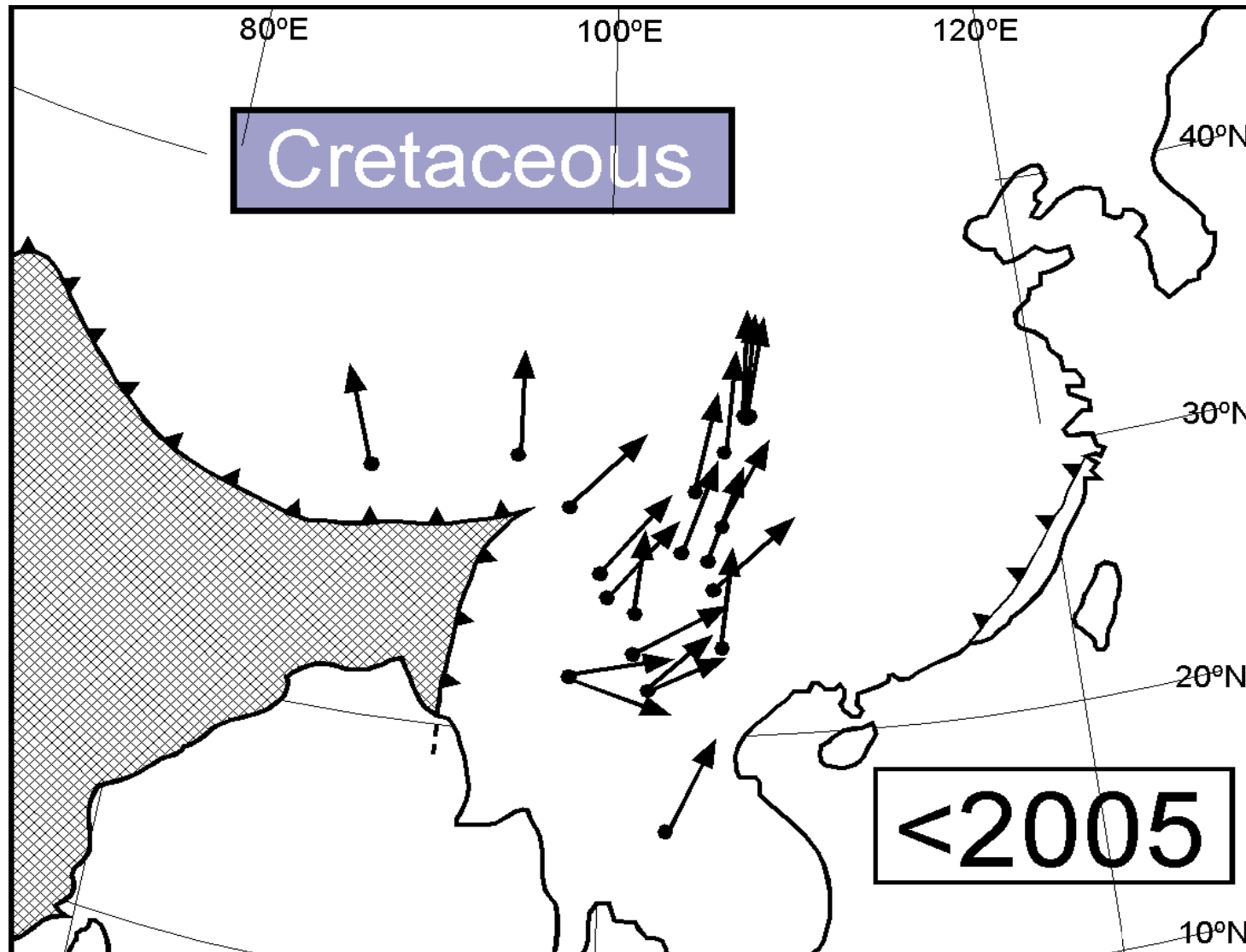
Expected Paleomagnetic direction







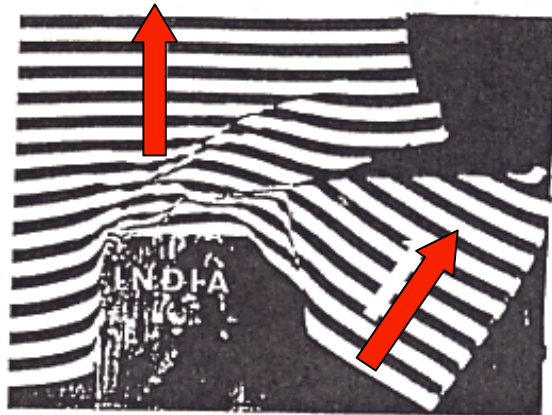
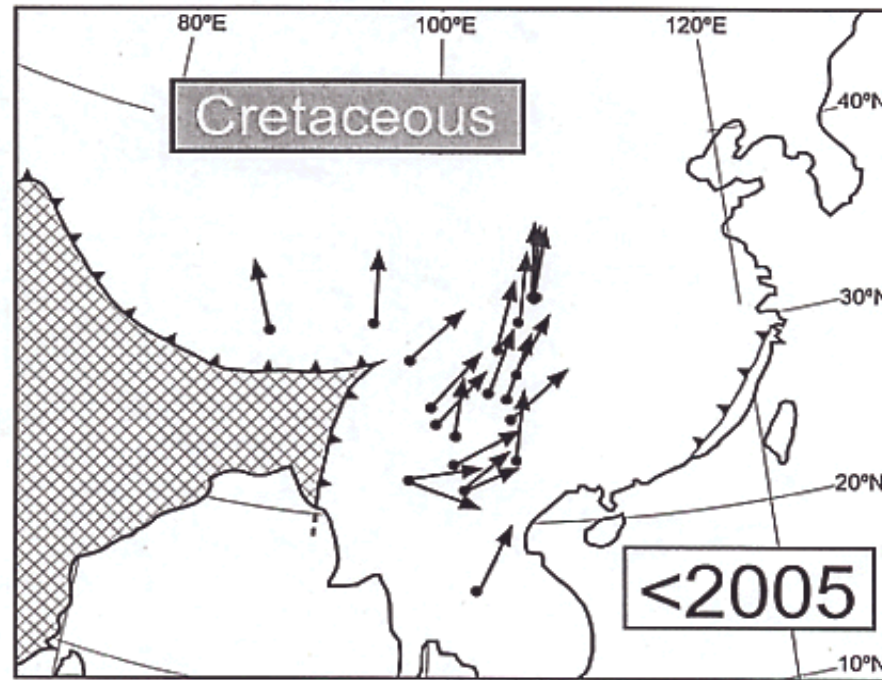




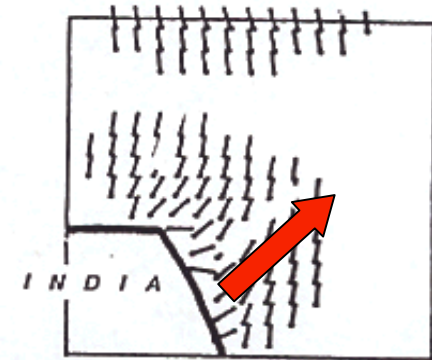
Declination

↑
Observed

↑
Expected

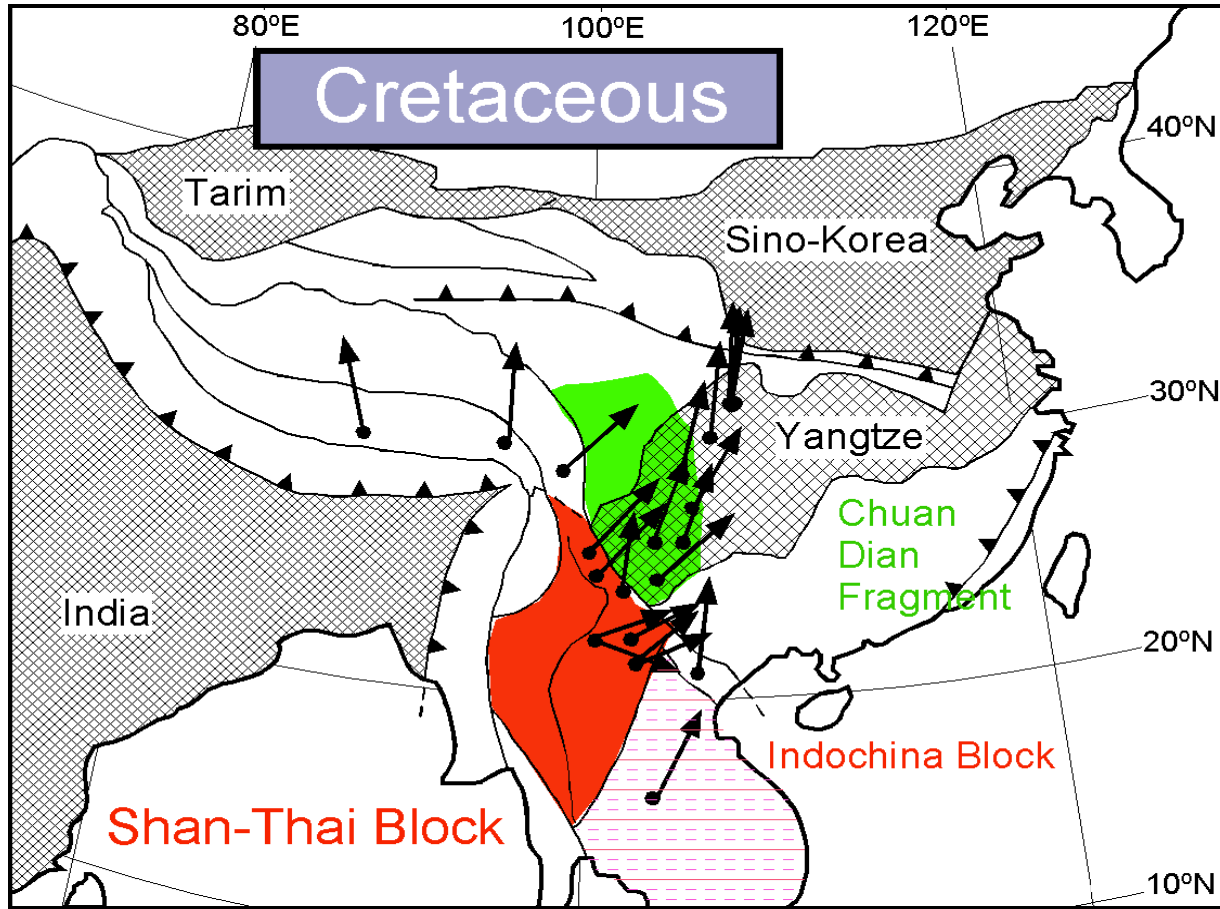


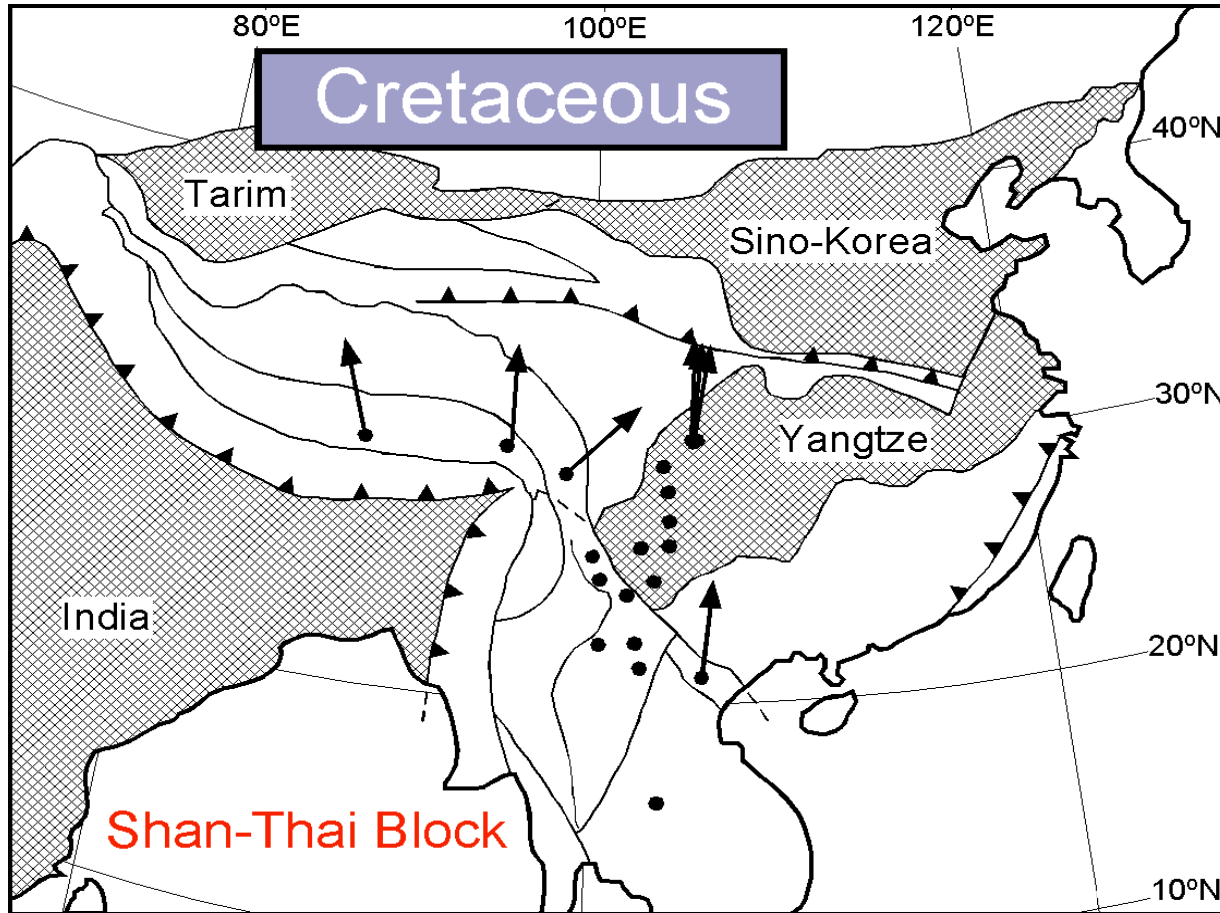
Peltzer and Tapponnier (1988)



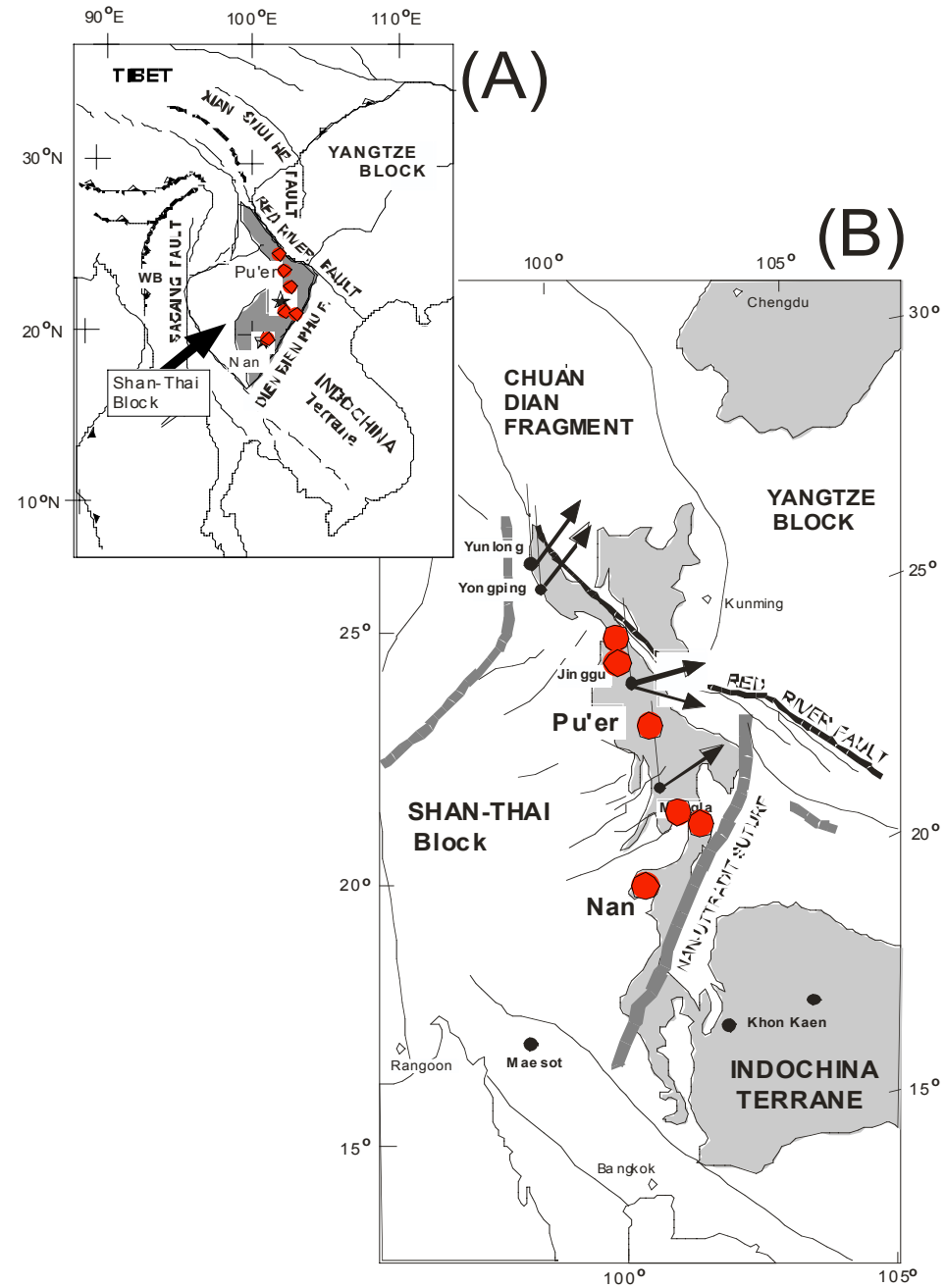
Houseman and England (1986)

40 Ma





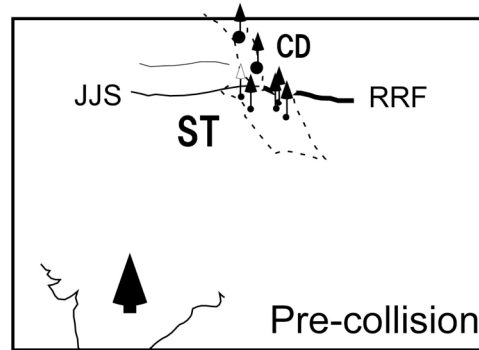
Shan-Thai Block





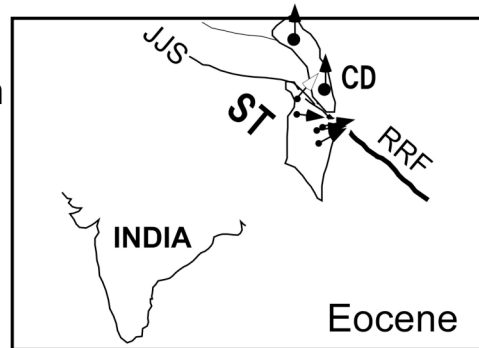
断片化

Fragmentation



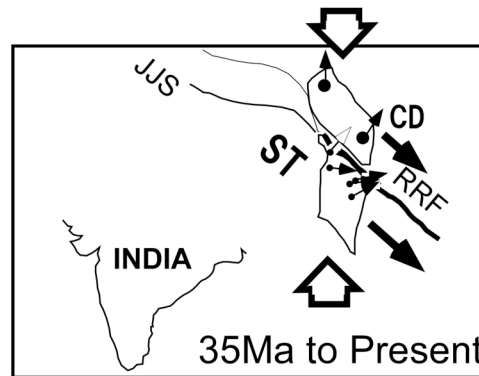
Coherent rotation

一体回転

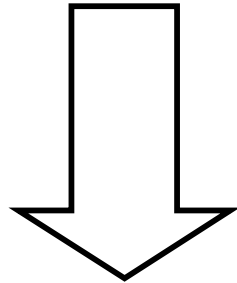


Internal Deformation

内部変形



ユーラシア大陸の変形



惑星固体圏の進化と多様性 に関する解析・モデリング