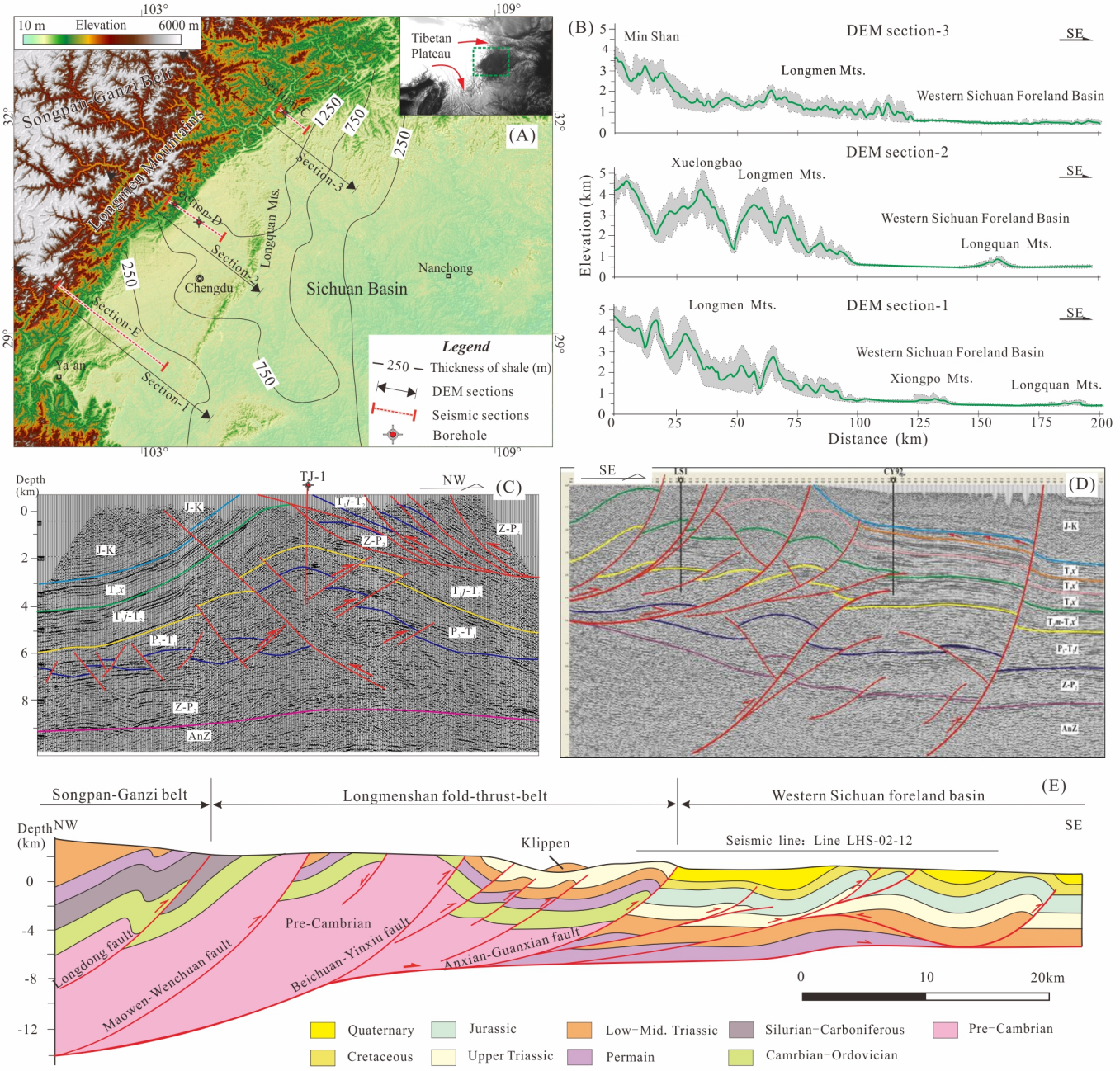

(A)
10 m
Elevation
6000 m
Tibetan Plateau
Songpan-Ganzi Belt
Longmen Mountains
Section-C
Section-3
Section-D
Section-2
Section-E
Section-1
Longquan Mts.
Chengdu
Sichuan Basin
Nanchong
Ya'an
1250
750
250
Legend
250 Thickness of shale (m)
DEM sections
Seismic sections
Borehole
103°
109°
32°
29°
(B)
DEM section-3
Min Shan
Longmen Mts.
Western Sichuan Foreland Basin
SE
DEM section-2
Xuelongbao
Longmen Mts.
Western Sichuan Foreland Basin
Longquan Mts.
DEM section-1
Longmen Mts.
Western Sichuan Foreland Basin
Xiongpo Mts.
Longquan Mts.
Elevation (km)
Distance (km)
(C)
Depth (km)
TJ-1
NW
J-K
Z-P
AnZ
(D)
SE
LS1
CY92
J-K
AnZ
(E)
Songpan-Ganzi belt
Longmenshan fold-thrust-belt
Western Sichuan foreland basin
Depth (km)
NW
SE
Klippen
Seismic line: Line LHS-02-12
Pre-Cambrian
Longdong fault
Maowen-Wenchuan fault
Beichuan-Yinxiu fault
Anxian-Guanxian fault
0
10
20km
Quaternary
Cretaceous
Jurassic
Upper Triassic
Low-Mid. Triassic
Permain
Silurian-Carboniferous
Camrbian-Ordovician
Pre-Cambrian