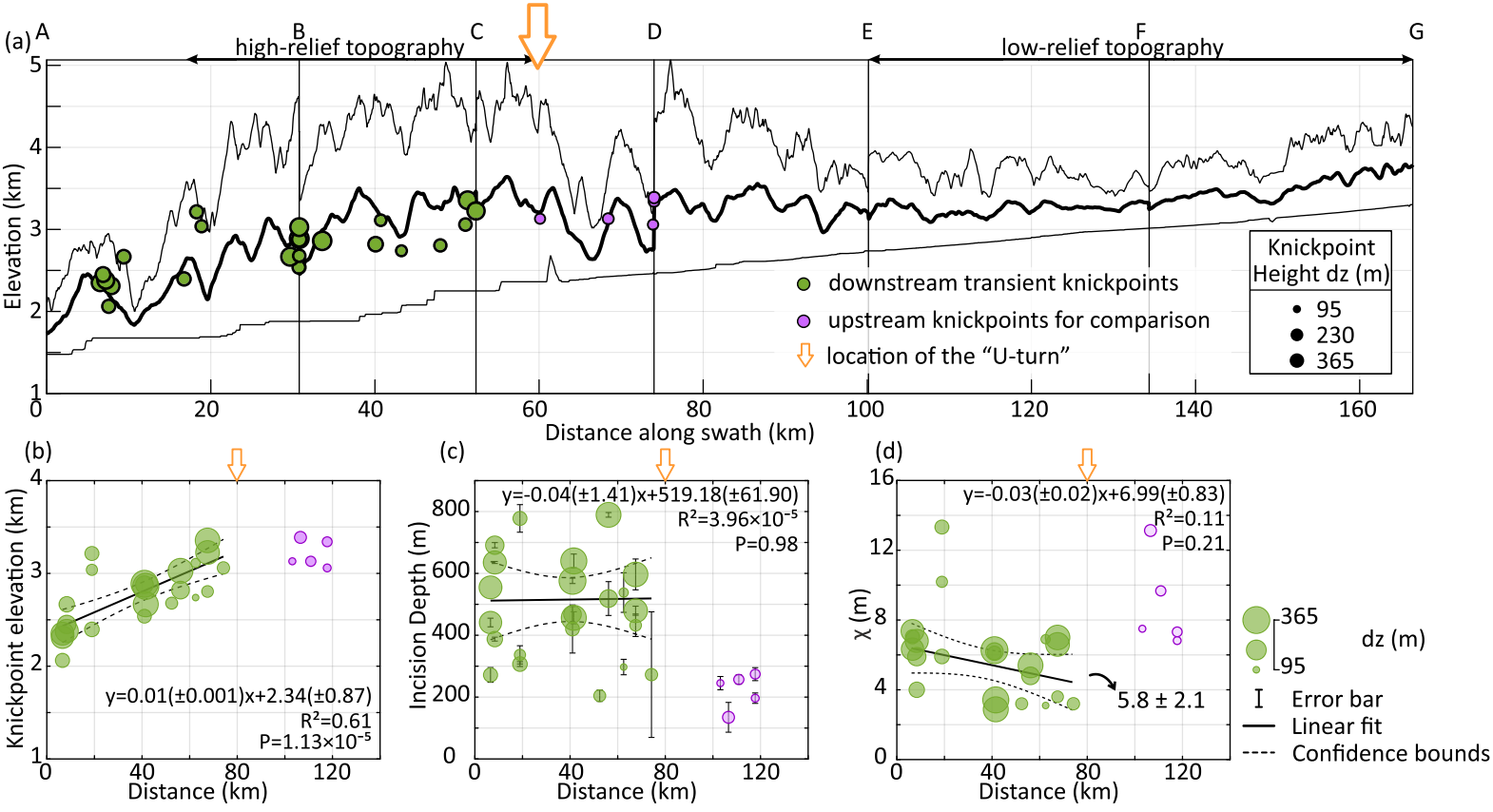
(a)
A
B
C
D
E
F
G
high-relief topography
low-relief topography
Elevation (km)
Distance along swath (km)
downstream transient knickpoints
upstream knickpoints for comparison
location of the "U-turn"
Knickpoint Height dz (m)
95
230
365
(b)
Knickpoint elevation (km)
Distance (km)
y=0.01(±0.001)x+2.34(±0.87)
R²=0.61
P=1.13×10⁻⁵
(c)
Incision Depth (m)
Distance (km)
y=-0.04(±1.41)x+519.18(±61.90)
R²=3.96×10⁻⁵
P=0.98
(d)
χ (m)
Distance (km)
y=-0.03(±0.02)x+6.99(±0.83)
R²=0.11
P=0.21
5.8 ± 2.1
365
95
dz (m)
Error bar
Linear fit
Confidence bounds