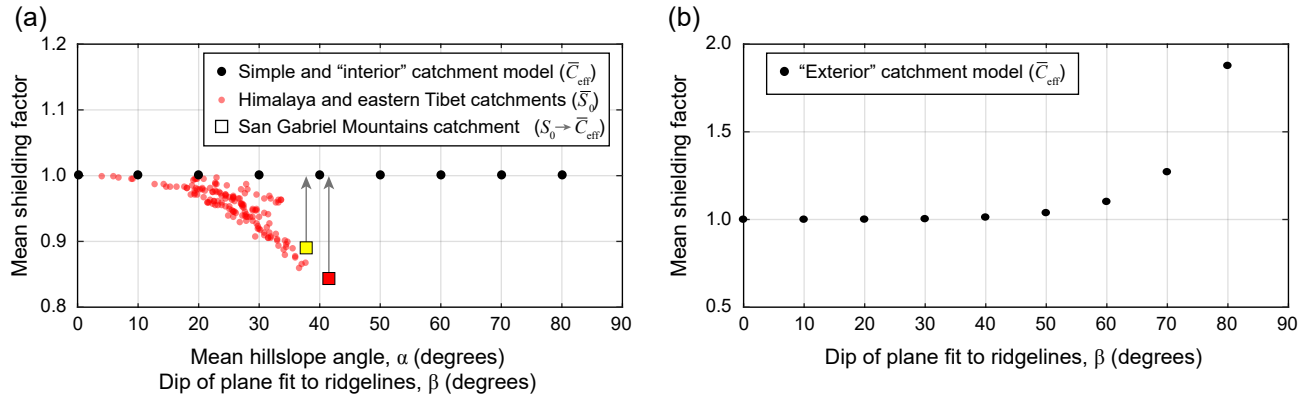
(a)
Simple and "interior" catchment model ($\overline{C}_{\mathrm{eff}}$)
Himalaya and eastern Tibet catchments ($\overline{S}_0$)
San Gabriel Mountains catchment ($S_0 \rightarrow \overline{C}_{\mathrm{eff}}$)
Mean shielding factor
1.2
1.1
1.0
0.9
0.8
0
10
20
30
40
50
60
70
80
90
Mean hillslope angle, α (degrees)
Dip of plane fit to ridgelines, β (degrees)
(b)
"Exterior" catchment model ($\overline{C}_{\mathrm{eff}}$)
Mean shielding factor
2.0
1.5
1.0
0.5
0
10
20
30
40
50
60
70
80
90
Dip of plane fit to ridgelines, β (degrees)