Simulated albedo

(a)

Clean snow
Dust concentrated on the top surface
Dust concentrated 10 mm below the surface
Dust spread over the first 21 mm

(b)

Instantaneous absorbed energy (W m$^{-2}$)

Dust content (mg g$^{-1}$)

- Blue: Clean snow
- Red: Dust concentrated on the top surface
- Gray dashed: Dust concentrated 10 mm below the surface
- Orange dashed: Dust spread over the first 21 mm