

La stabilité des glaciers

Le cas des Grandes Jorasses



Altels

1894



11 septembre 1895



Altels

Ober Tatlishorn
2986

Fisistock

T-Tatelen

T-Tatlishorn
2505

Wershorn

- Winteregg

St-Stierenbergli

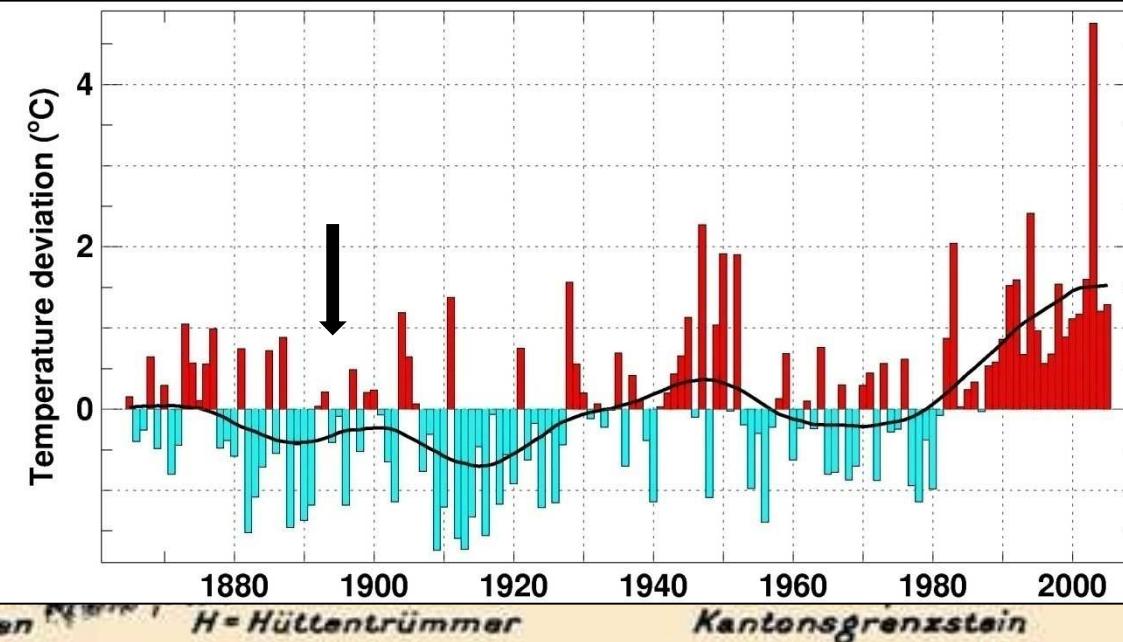
von Kandersteg

En été 1782 un événement similaire s'était produit

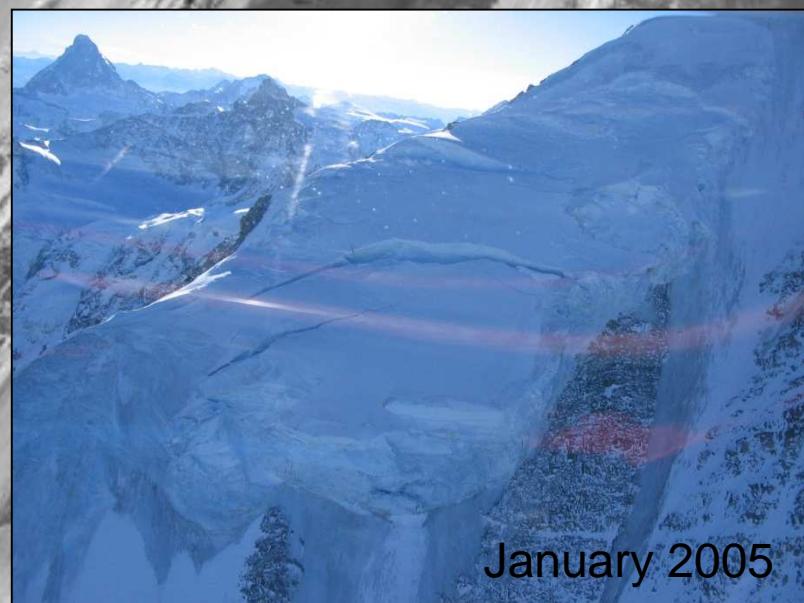
Un glacier né sous une mauvaise étoile reste une menace

F.A. Forel (1895)

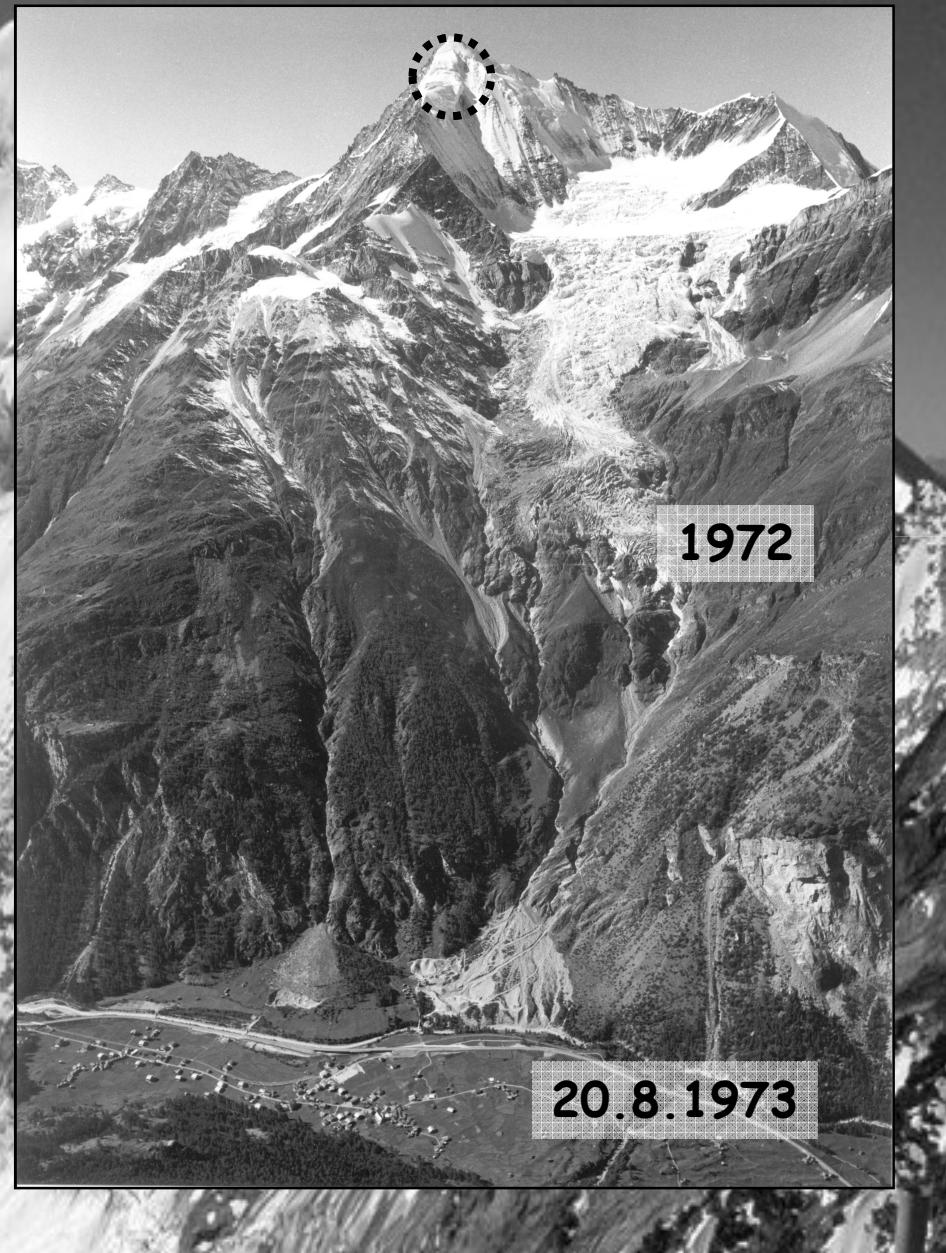
dass ein ger



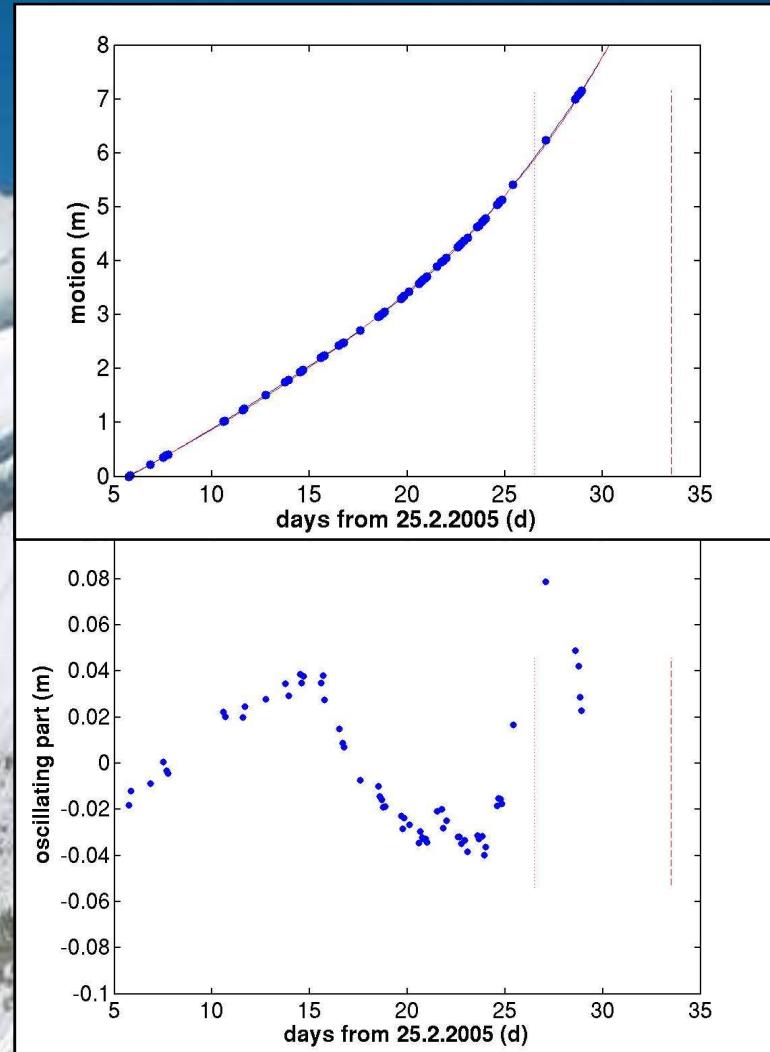
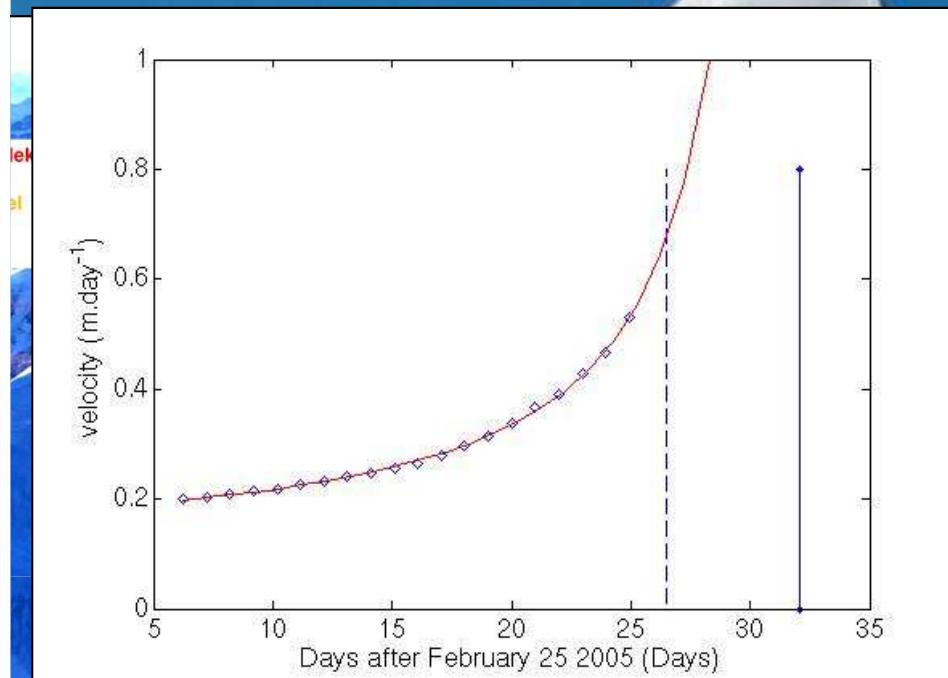
Weisshorn



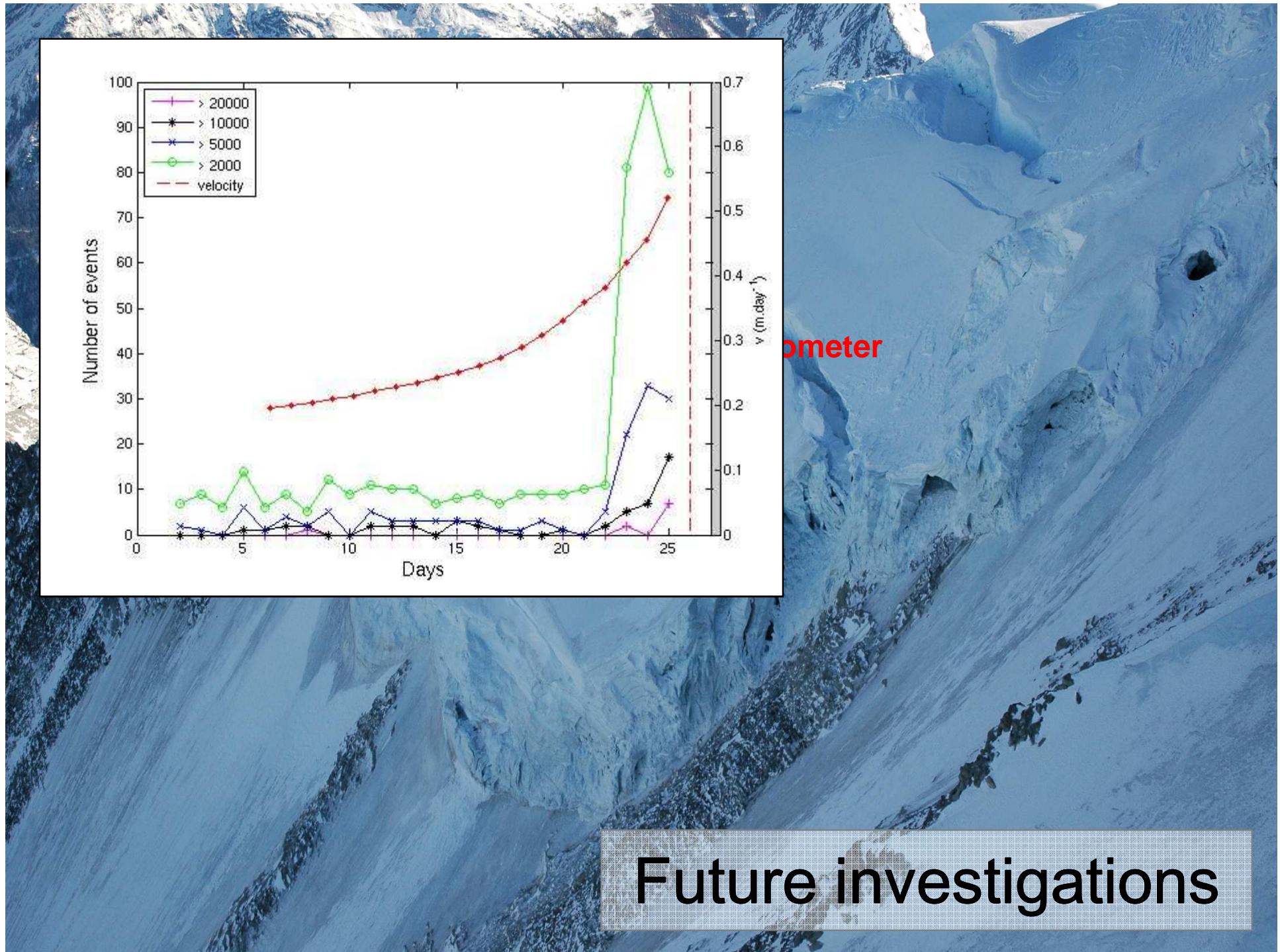
January 2005



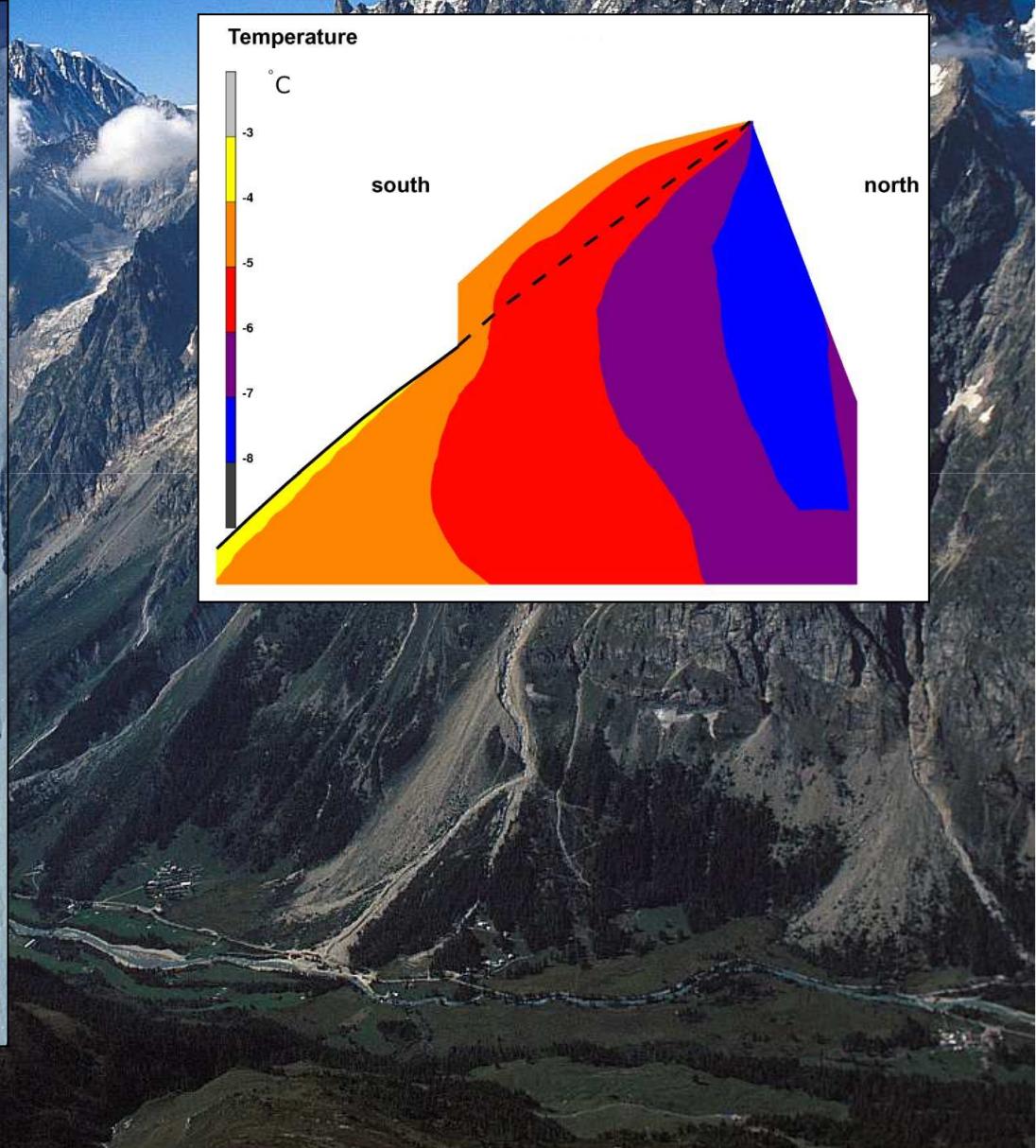
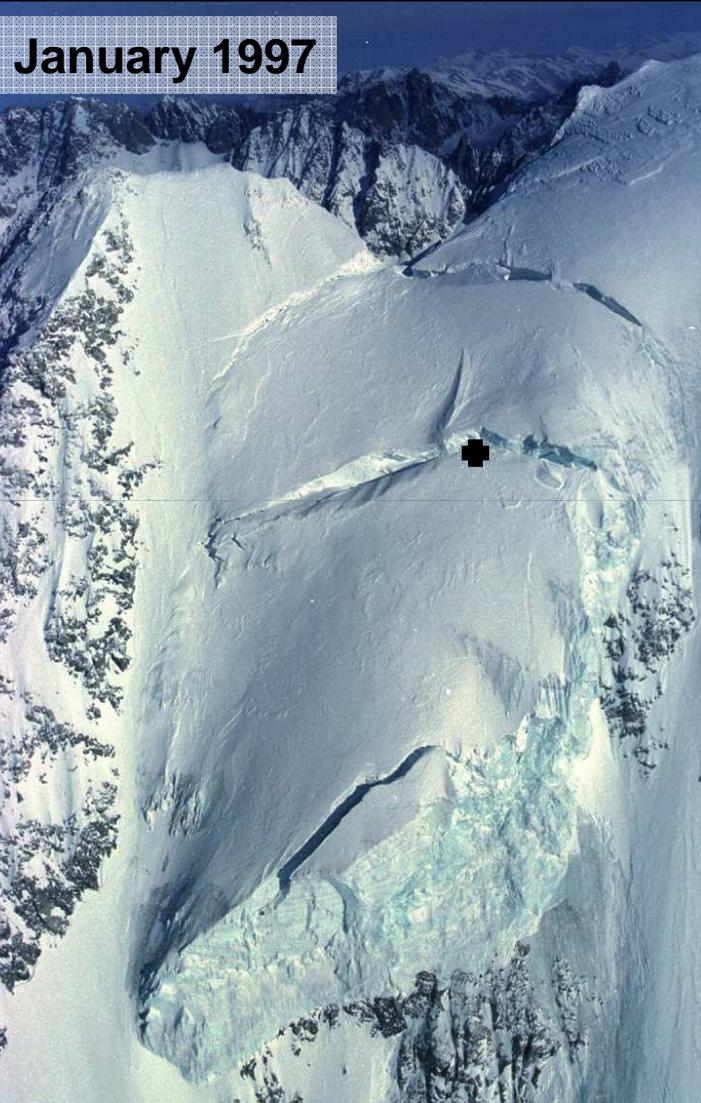
Weisshorn 2005



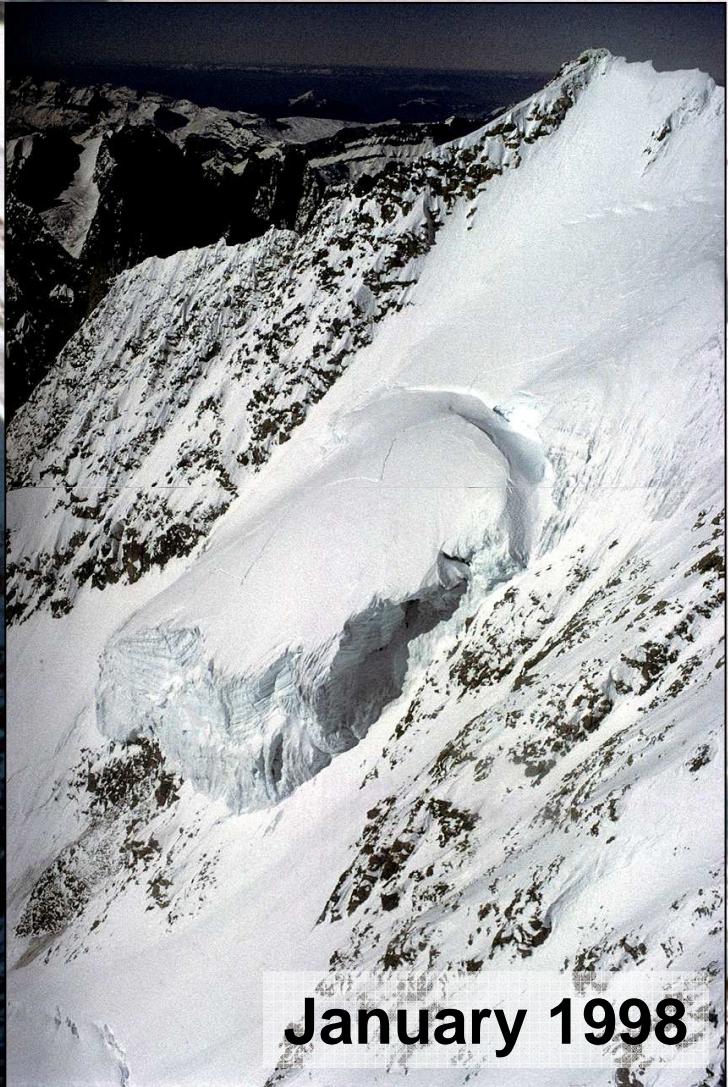
$$u(t) = u_0 + a (t_f - t)^{-m} \cdot [1 + C \sin (\mathcal{F}(t_f - t))]$$



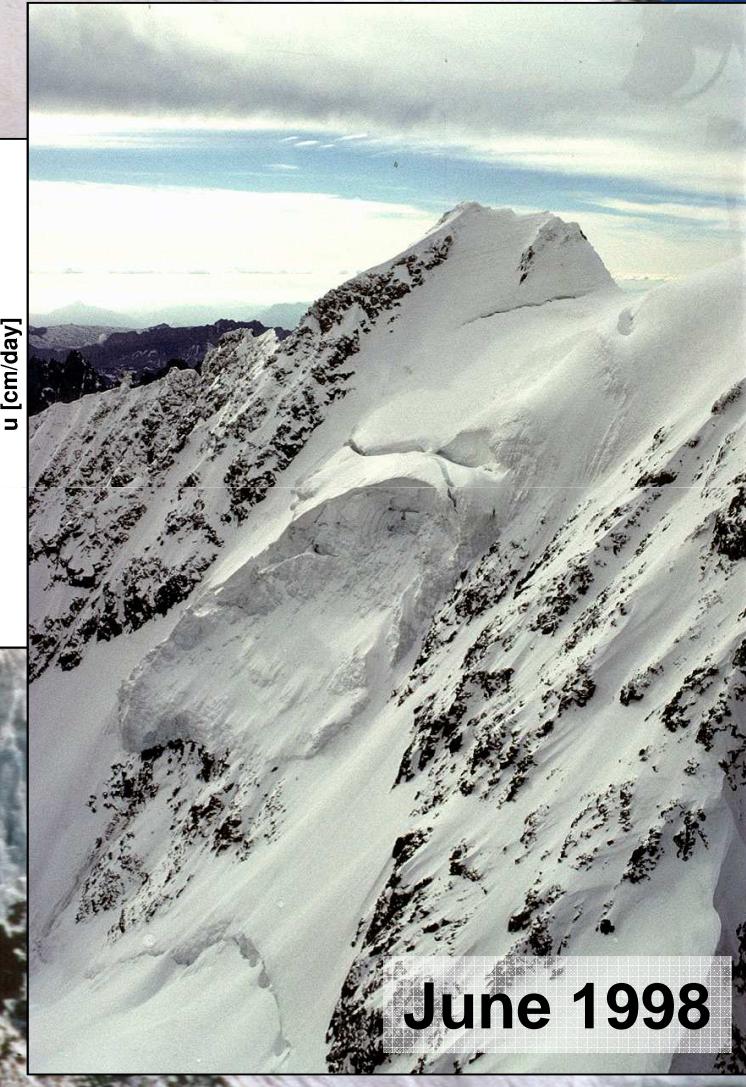
Grandes Jorasses



Grandes Jorasses

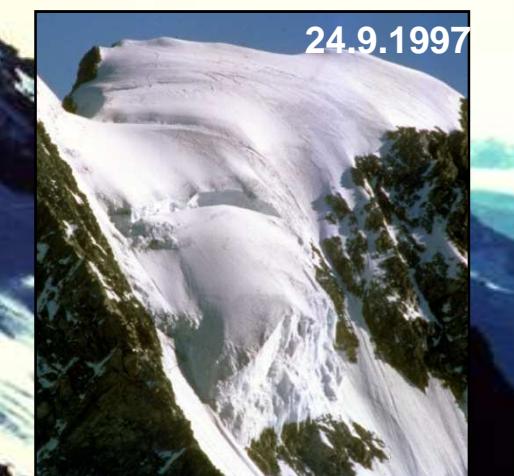


January 1998

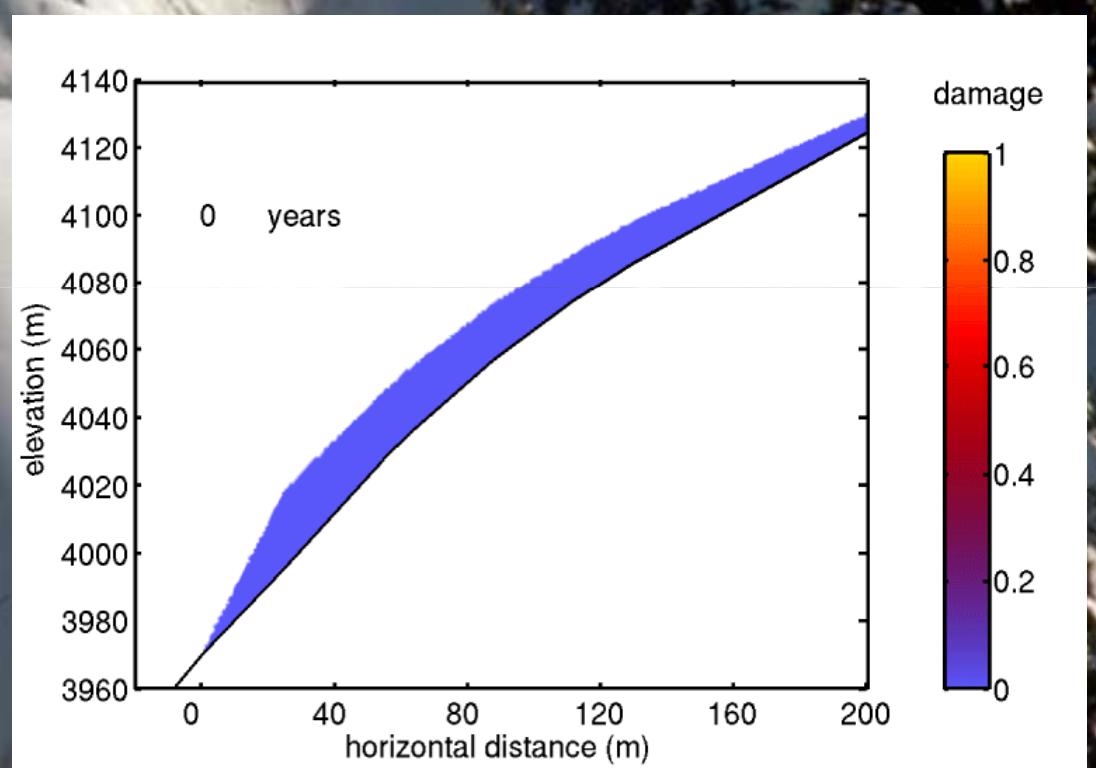
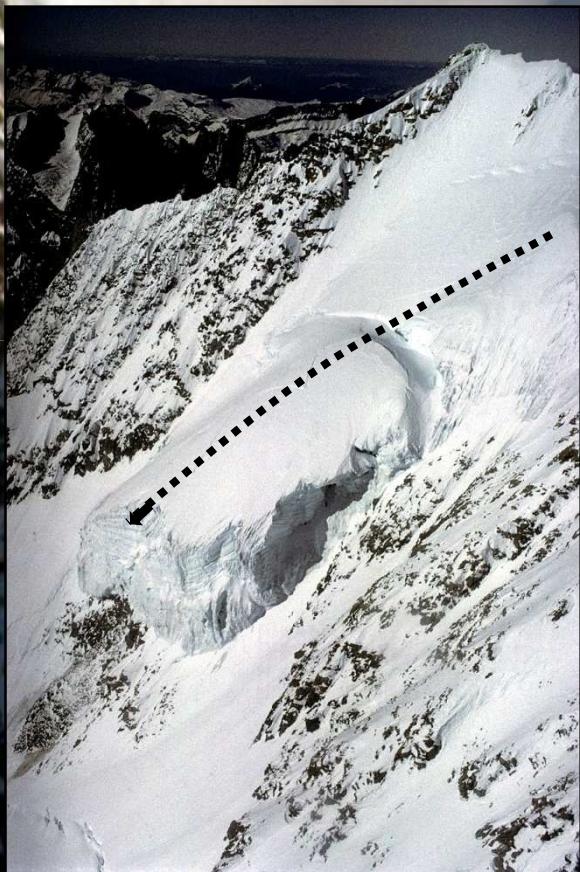


June 1998

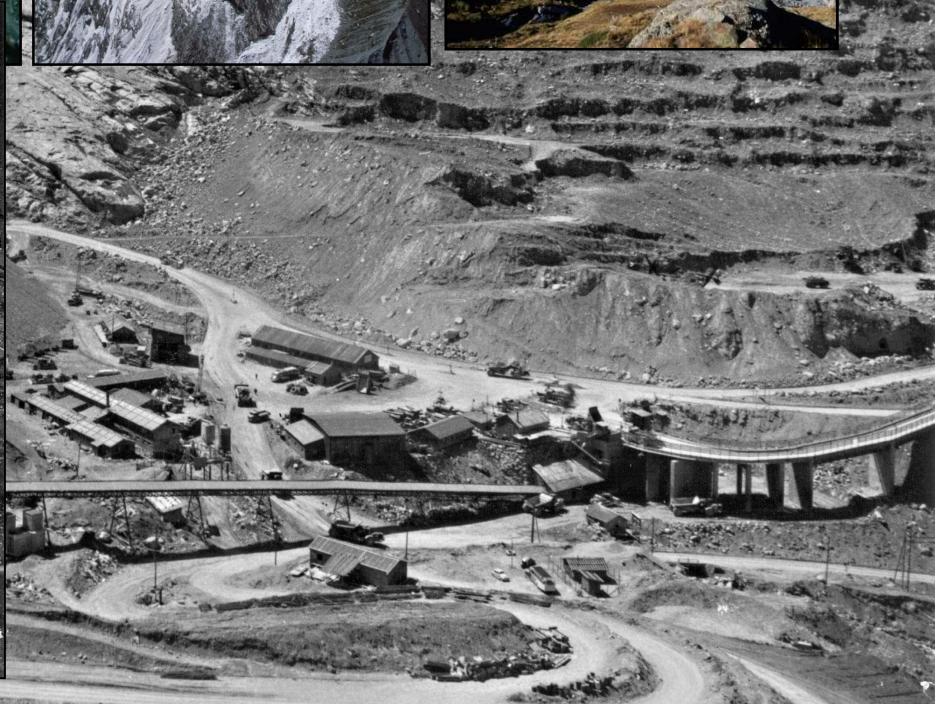
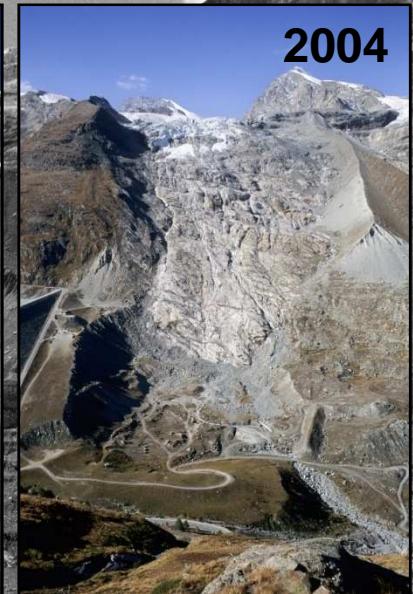
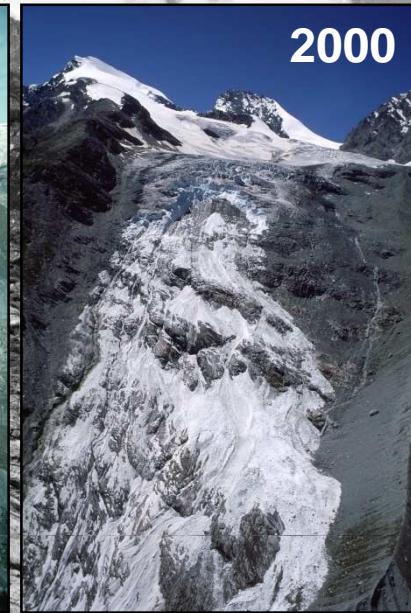
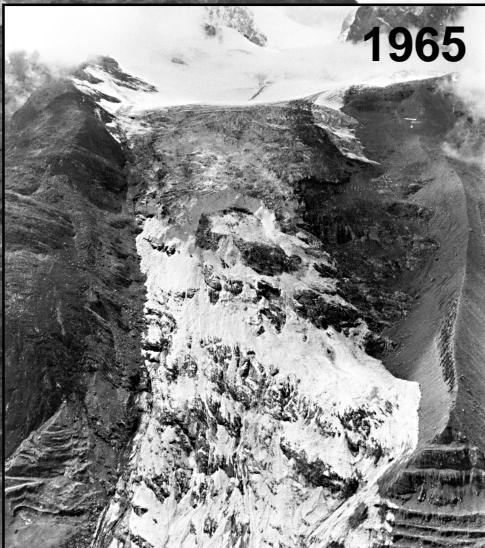
Grandes Jorasses

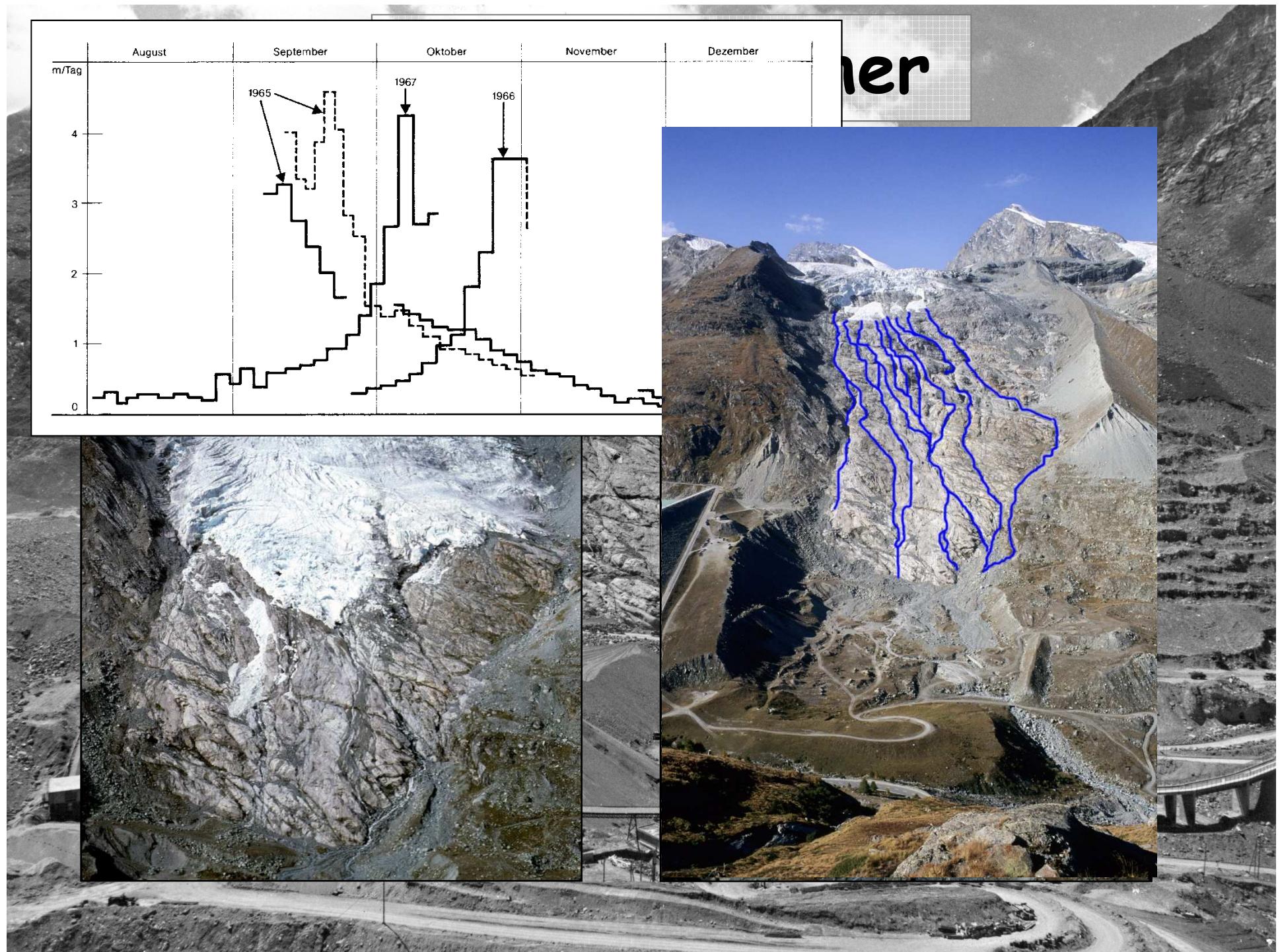


Grandes Jorasses



Allalingletscher





Two types of instabilities



Type "Allalin"
Sliding instability



Type "Weisshorn"
Mechanical instability