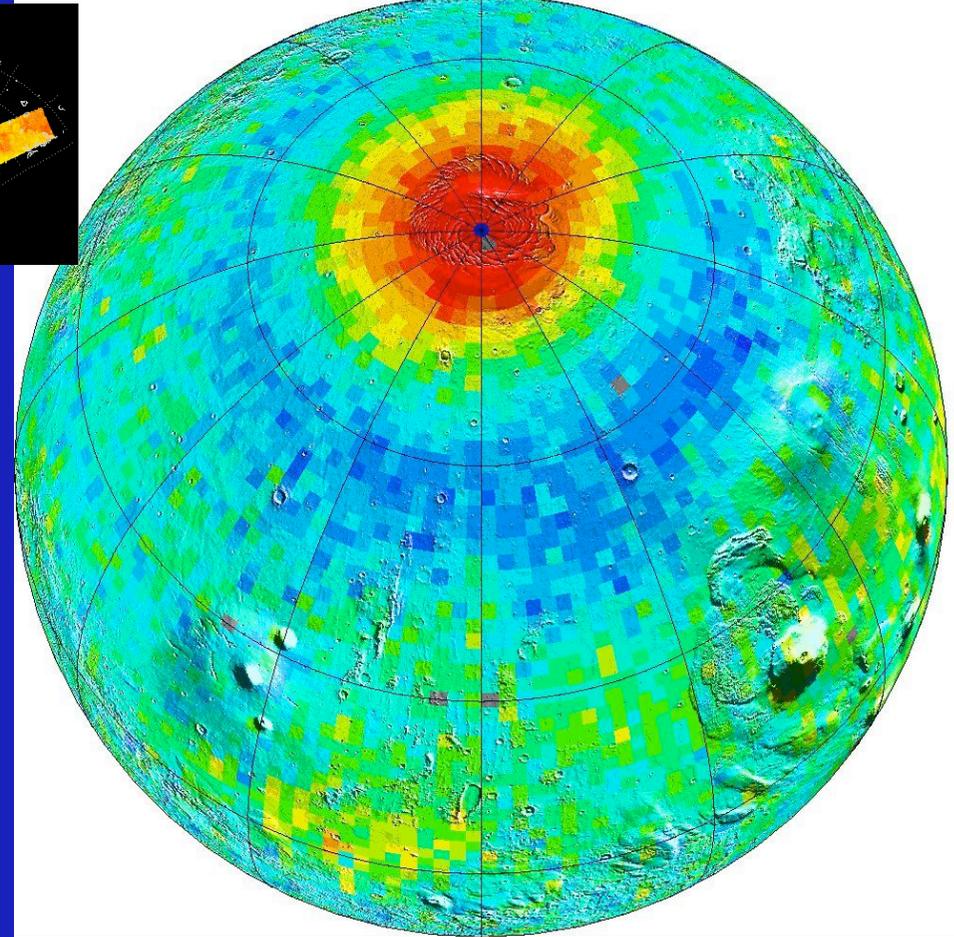
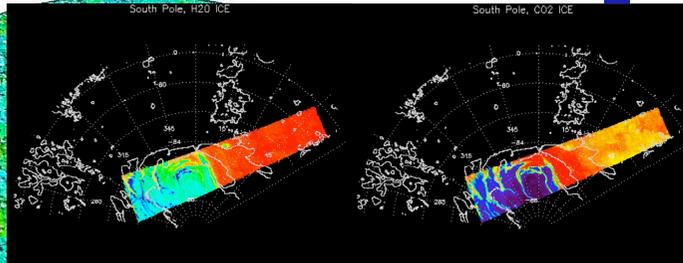
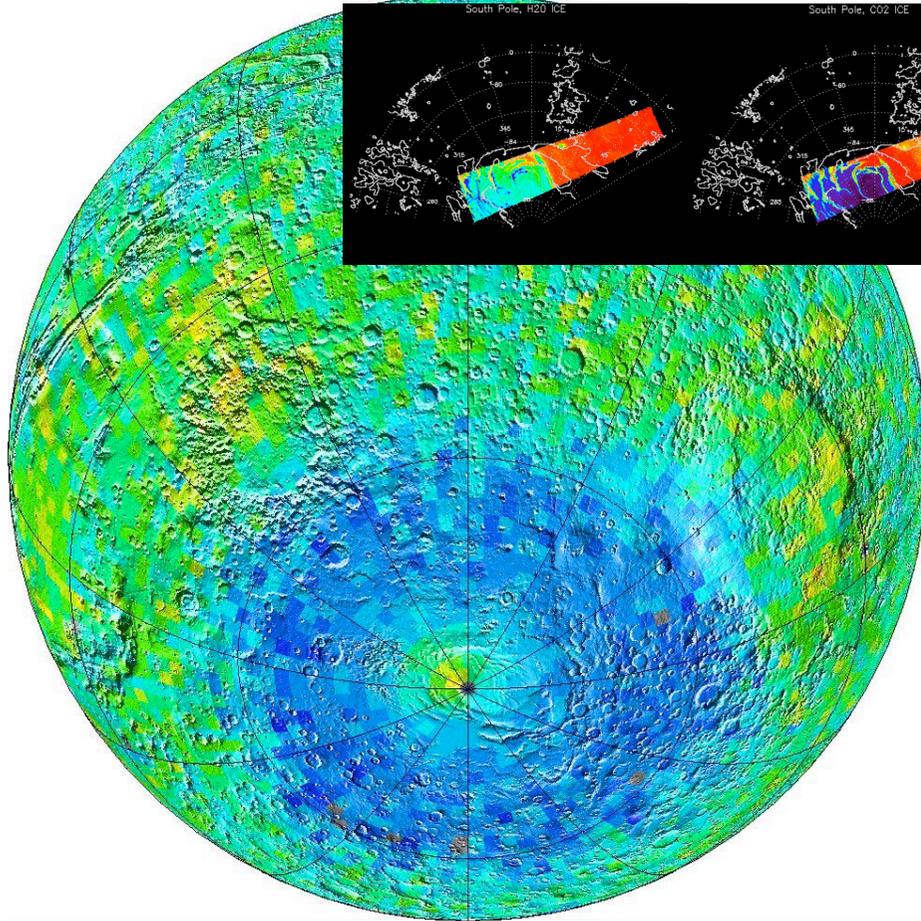


# Eau et glace de surface...

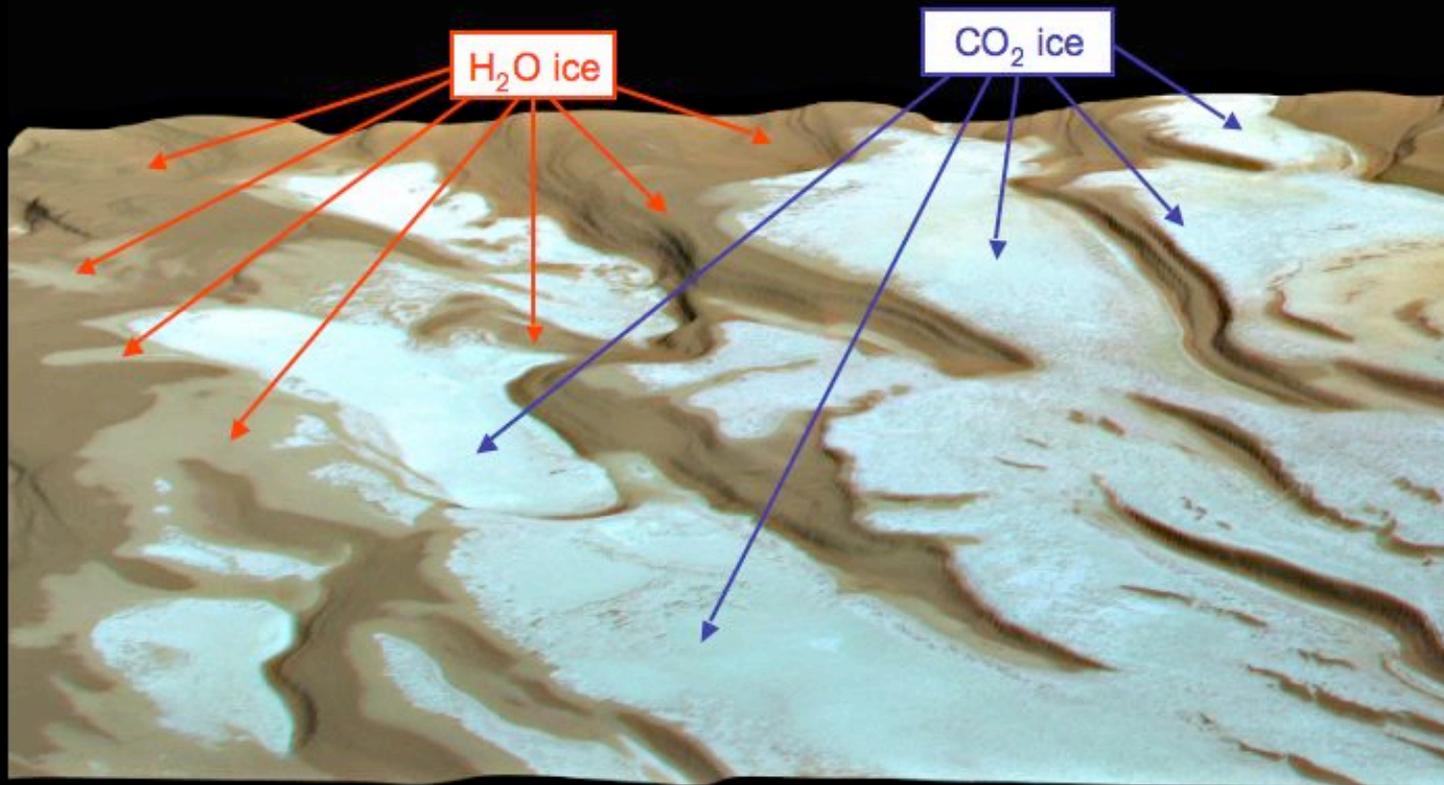
Glace d'eau Pas de glace Glace carbonique



Glace d'eau Pas de glace Glace carbonique



OMEGA composition / HRSC 3D imaging

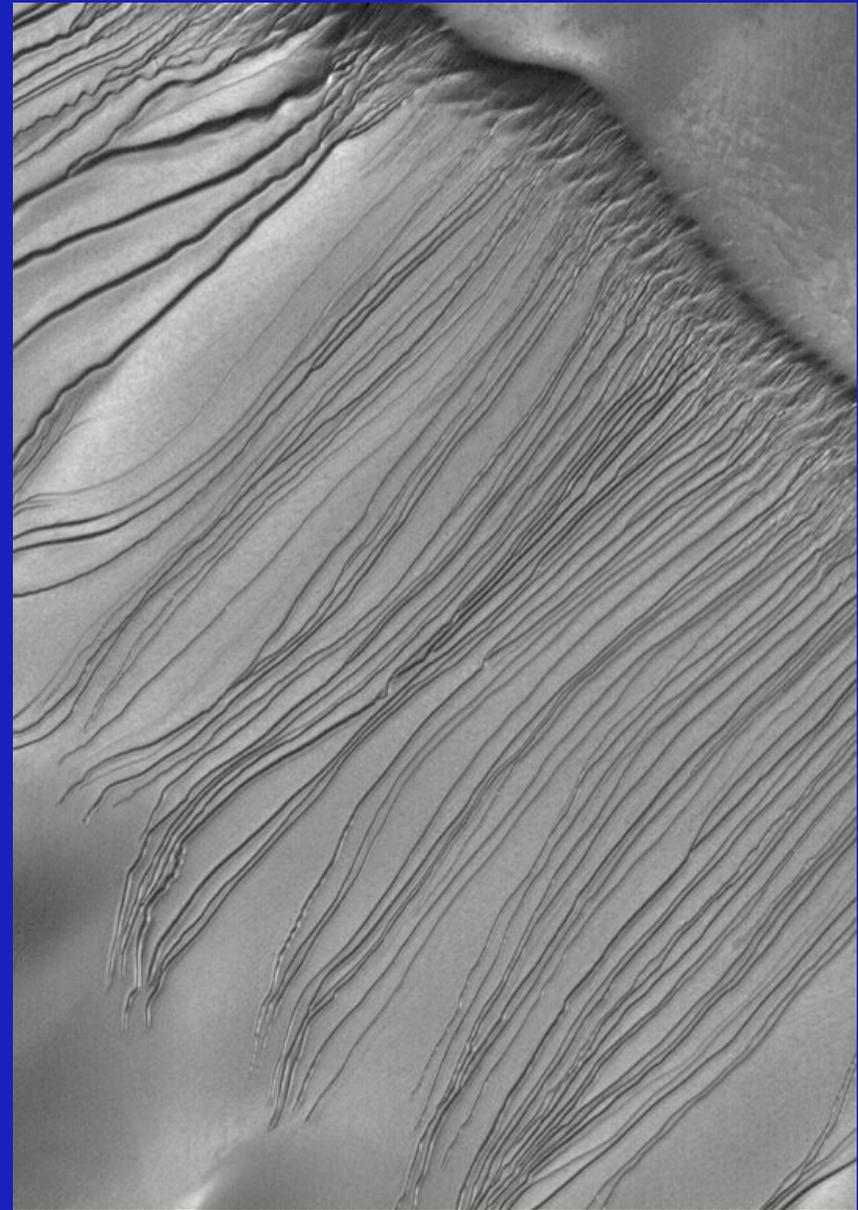
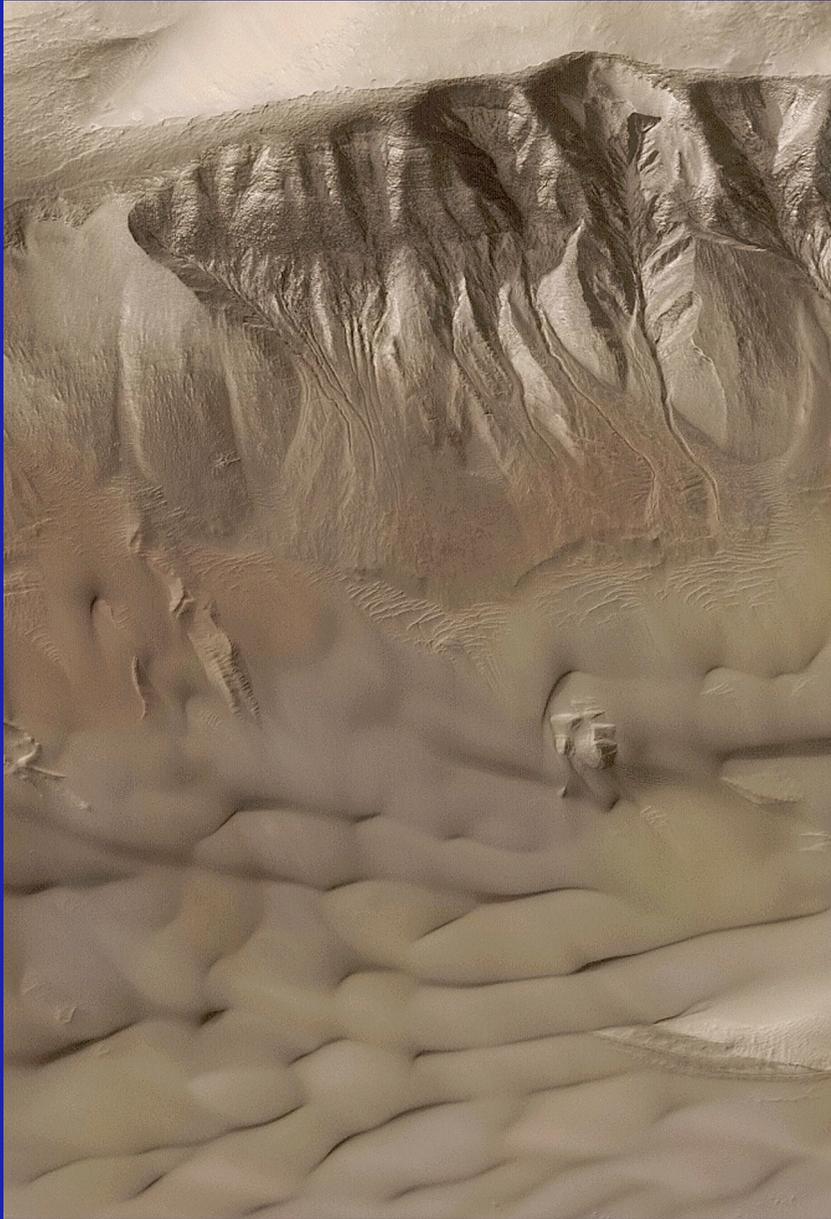


Permanent southern polar cap

HRSC image by courtesy of G.

OMEGA maps, © IAS

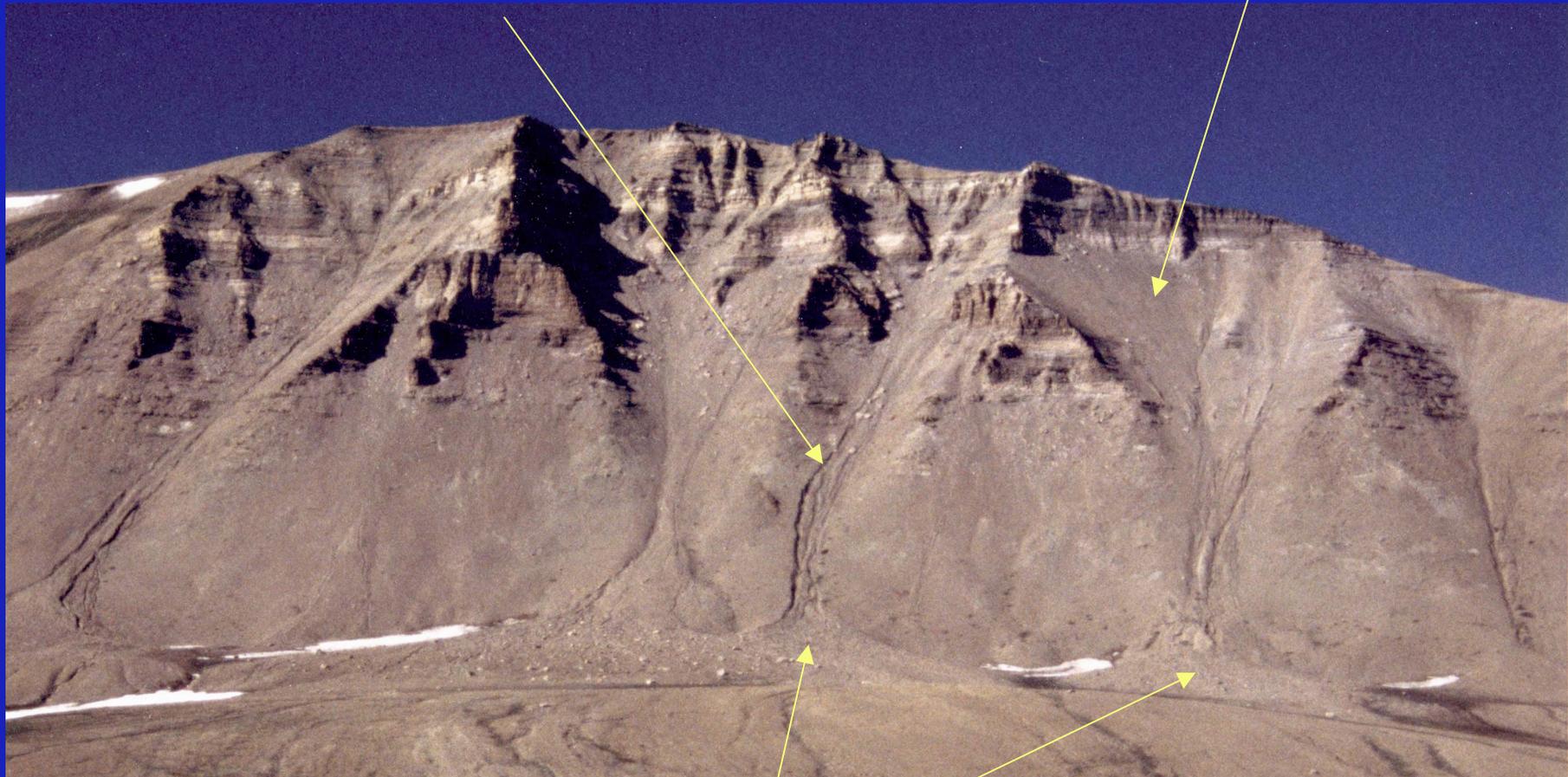
# Les coulées d'eau aujourd'hui?



# Analogie Terre/Mars : L'exemple du Groënland

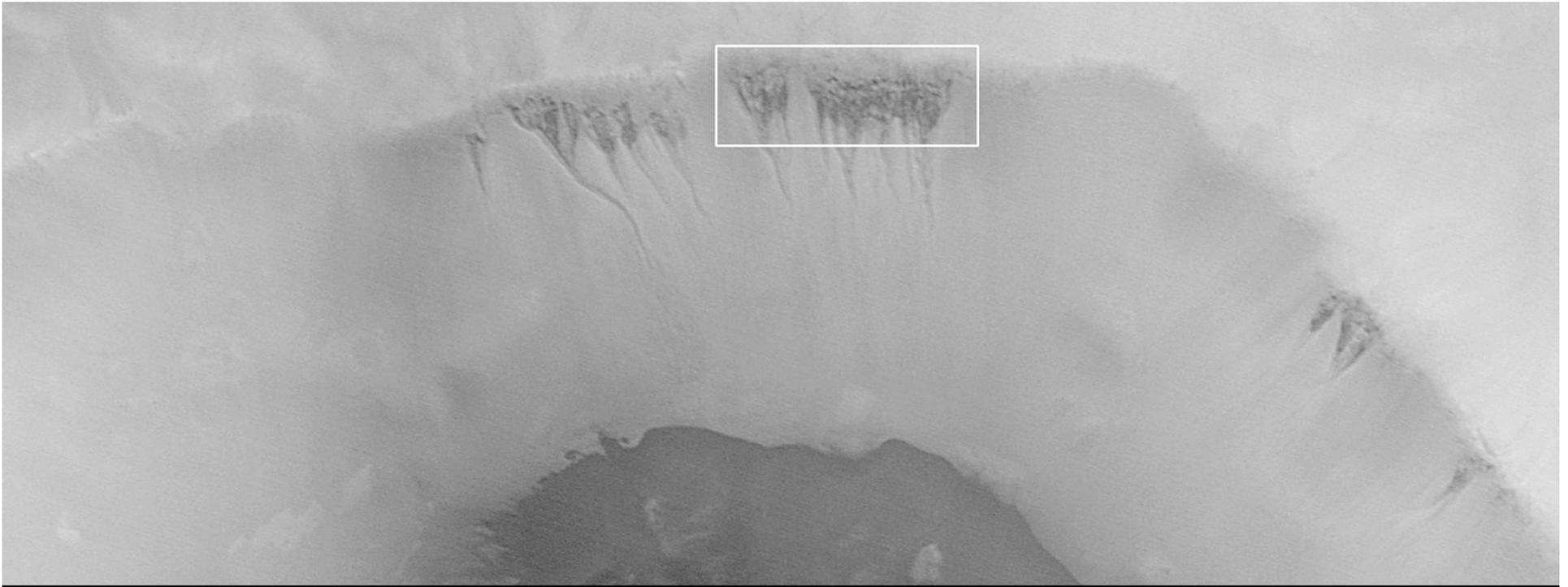
Transport avec levées latérales

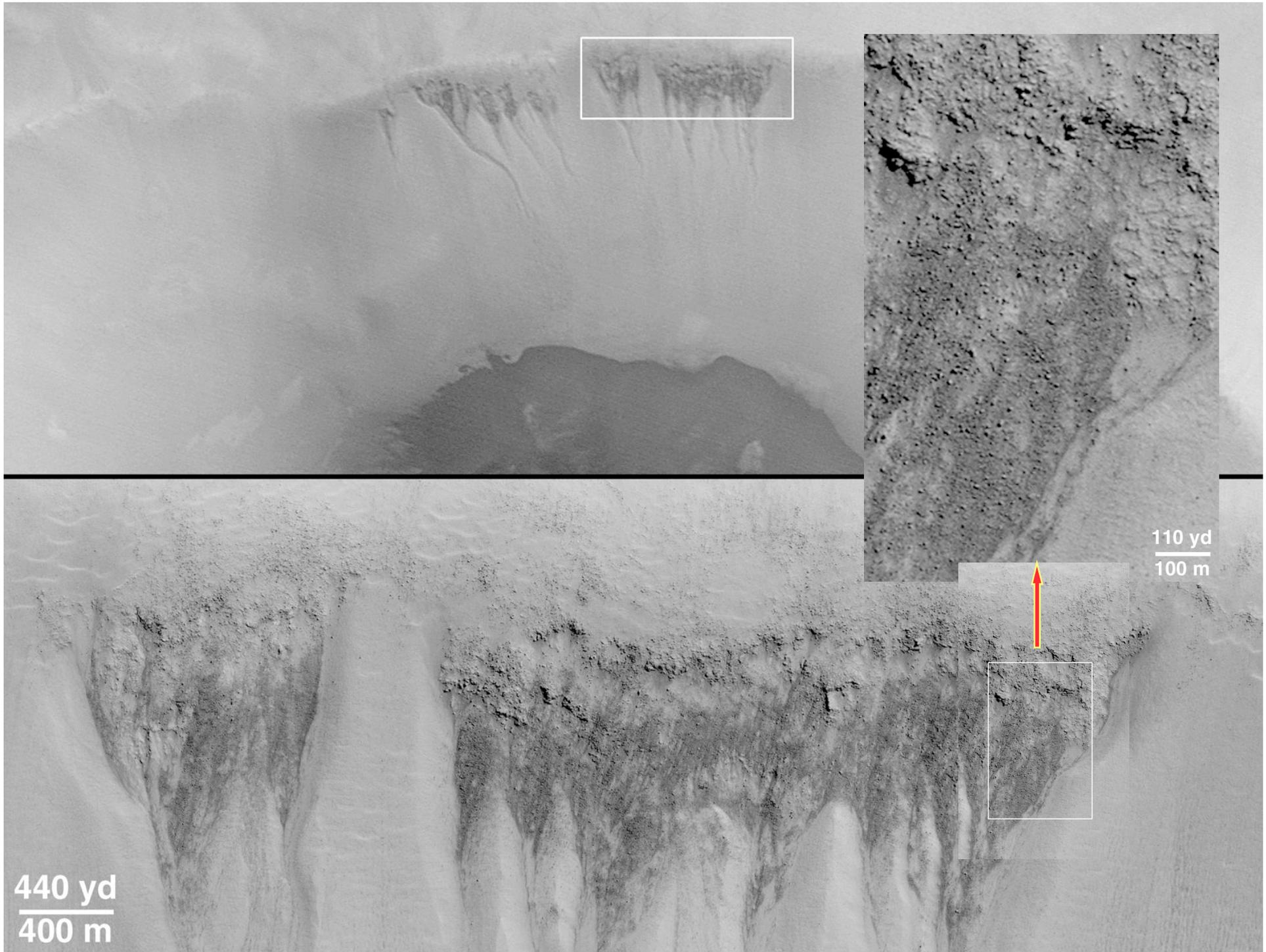
Zone départ



Cônes d'accumulation

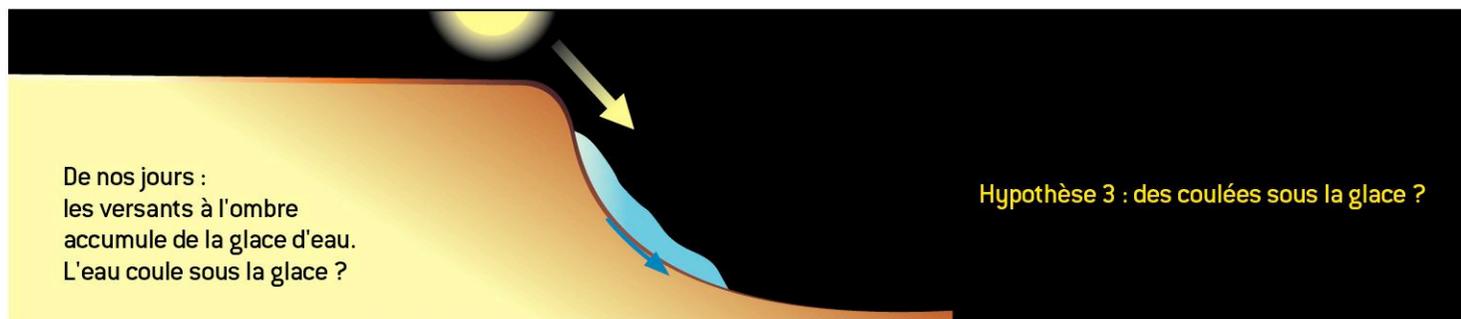
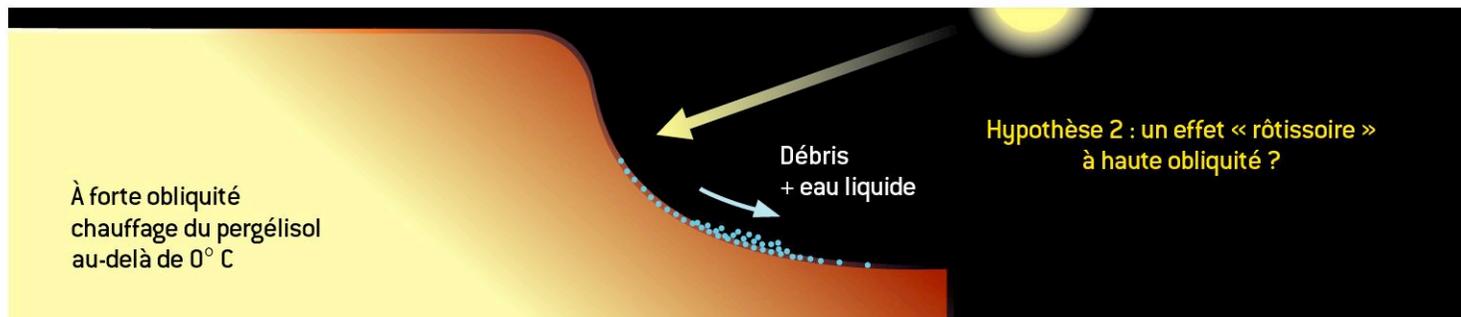
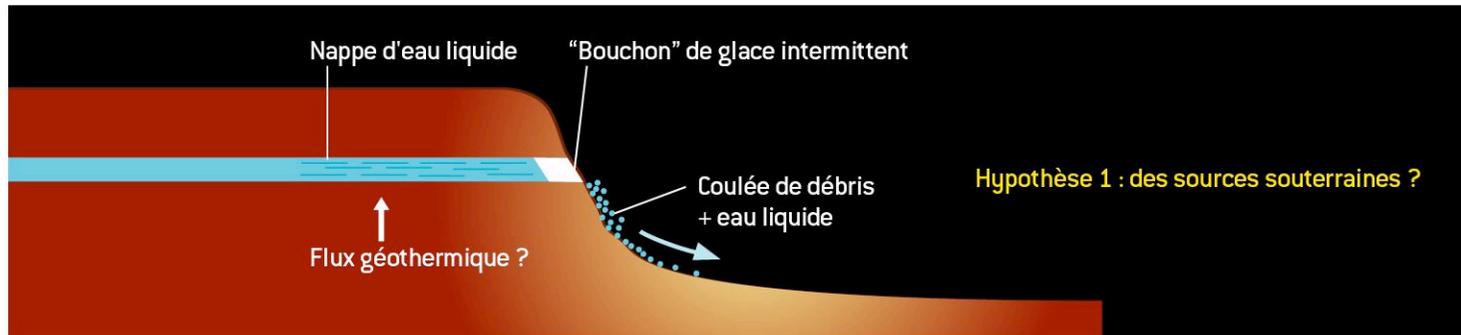
Absence de sources





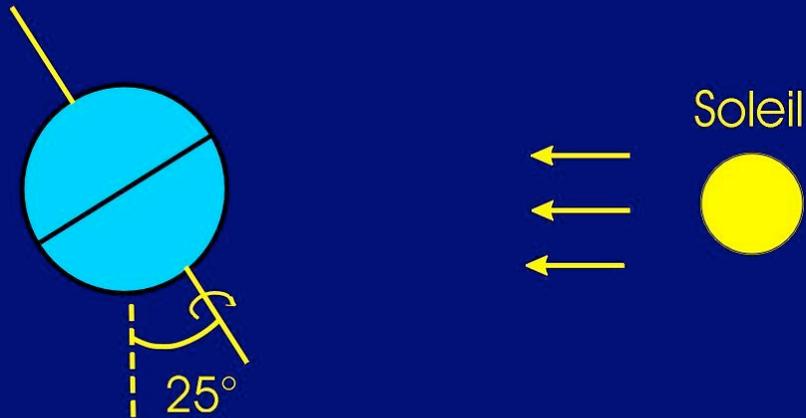


# Les coulées d'eau...

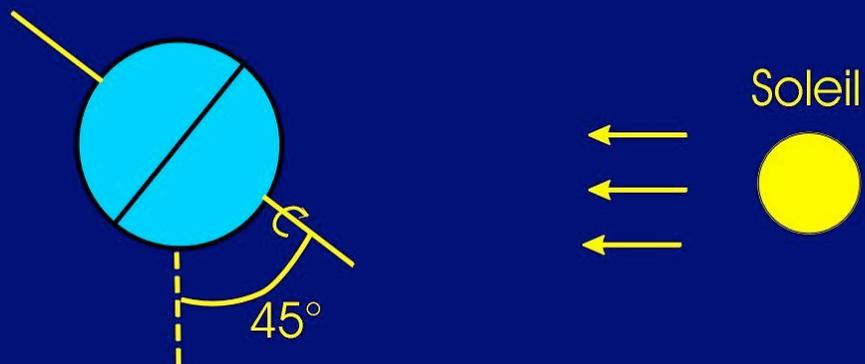


## Position de Mars par rapport au soleil au solstice d'été dans l'hémisphère sud

Obliquité  $25^\circ$  (actuellement)

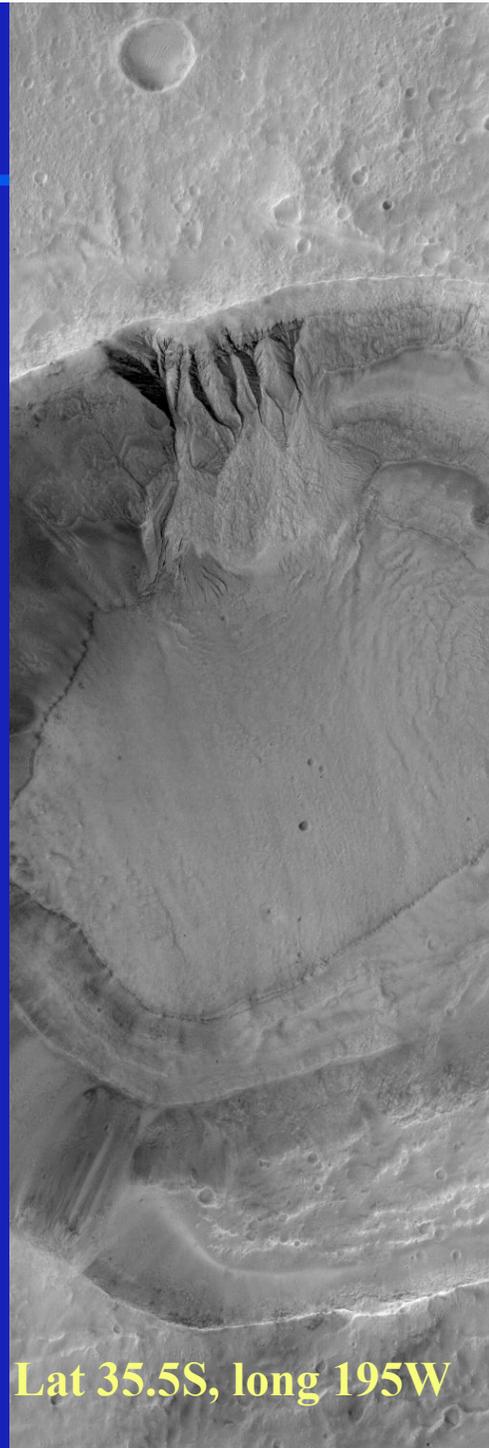


Obliquité  $45^\circ$



Conséquence: été plus chaud / hiver plus froid

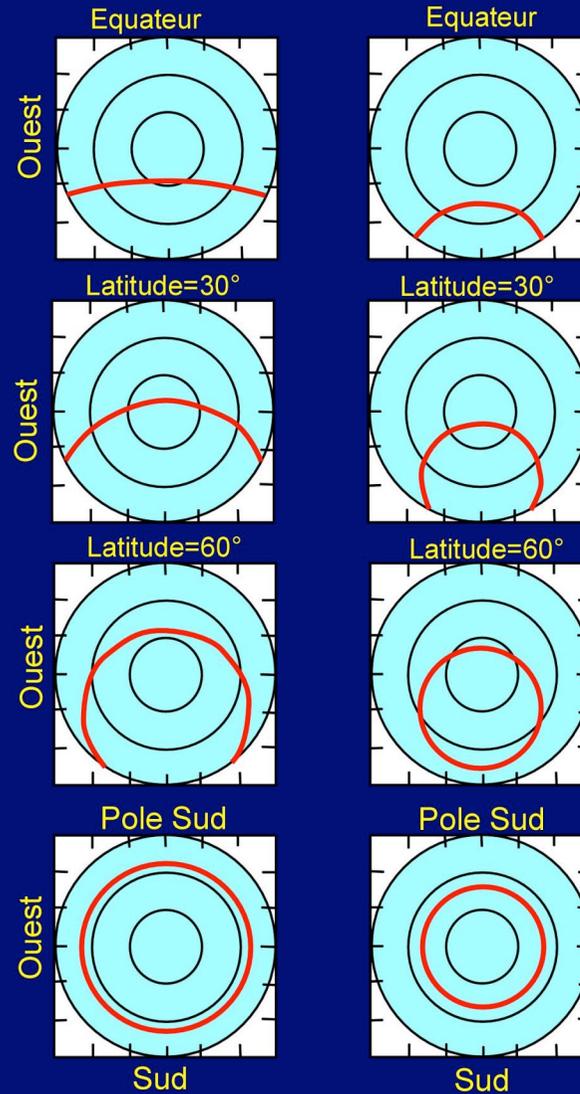
## Position du soleil dans le ciel au solstice d'été dans l'hémisphère Sud



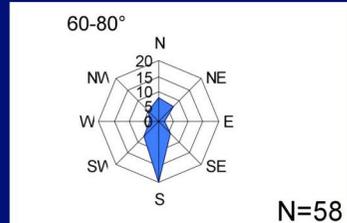
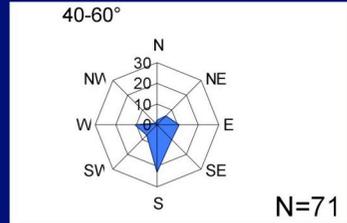
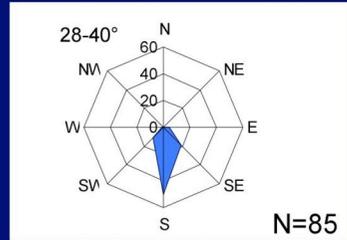
Lat 35.5S, long 195W

Obliquité 25 °

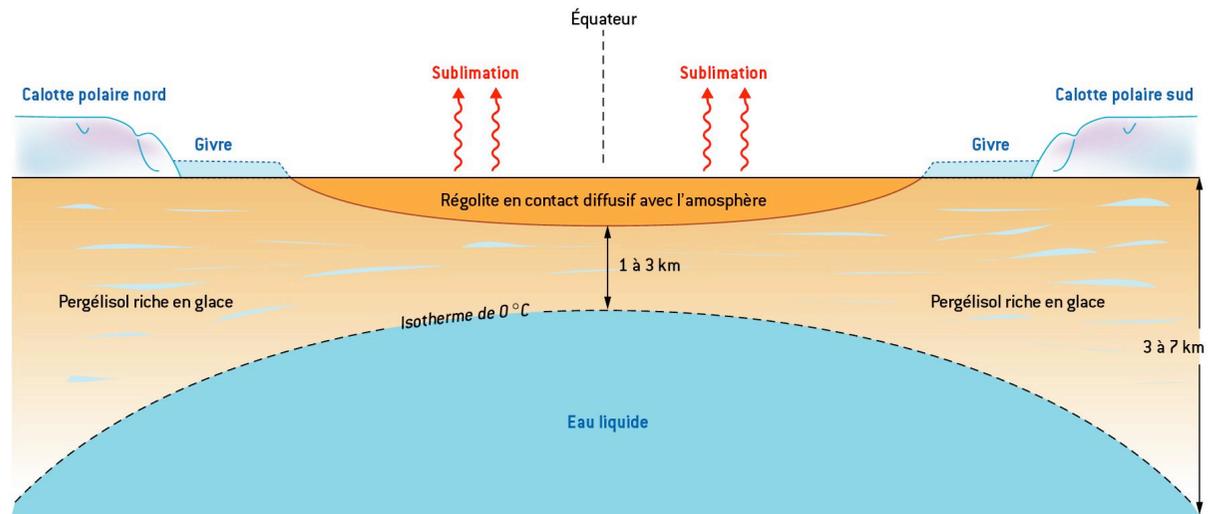
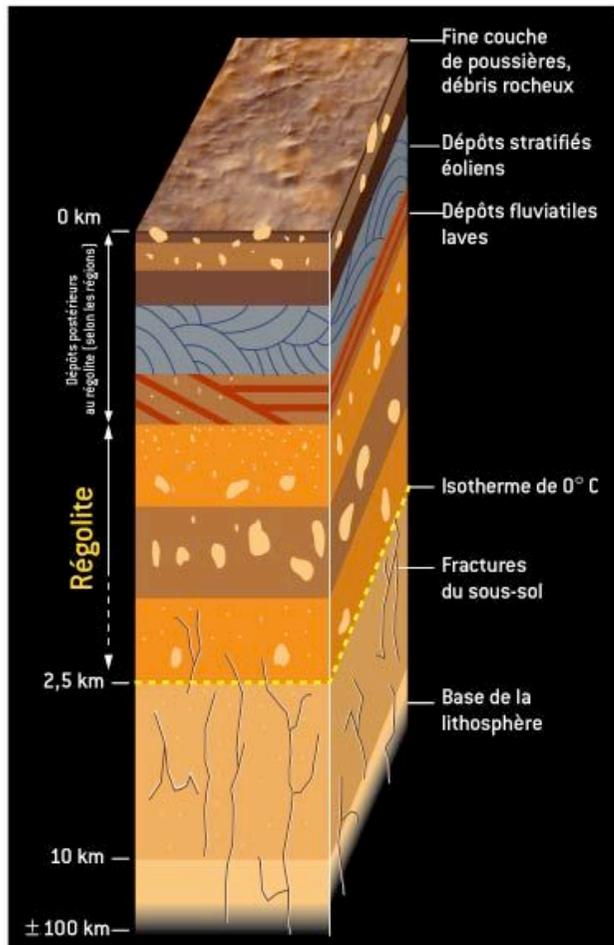
Obliquité 45 °



Pas d'écoulements



# L'eau aujourd'hui....



- des ressources à découvrir?  
À cartographier ?  
... de la place pour de futures missions...

# Epilogue... et la vie?

