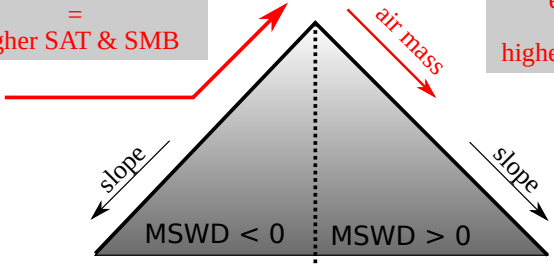


Scenario 1: maritime air-masses + topography

warm+wet maritime air
=
higher SAT & SMB

Foehn-type heating +
extra SMB
=
higher SAT & SMB



Correlations:

(a)

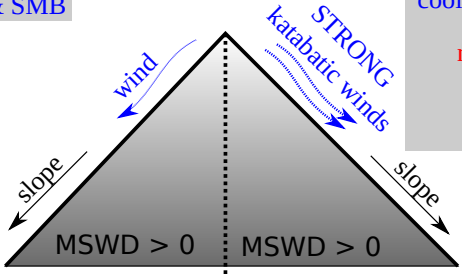
MSWD-SAT << 0 MSWD-SAT > 0
MSWD-SMB << 0 MSWD-SMB ~ 0

(b)

Scenario 2: down-slope winds

dry + cold
=
lower SAT & SMB

frictional heating
or
cooling by sublimation ?
+
remobilize SMB
or ablation ?
=
SAT & SMB?



Correlations:

(a)

MSWD-SAT << 0 MSWD-SAT ?
MSWD-SMB << 0 MSWD-SMB ?

(b)