

Askervein Hill

Terrain:

116 m tall

Surround flat terrain 8 m ASL

Wind case:

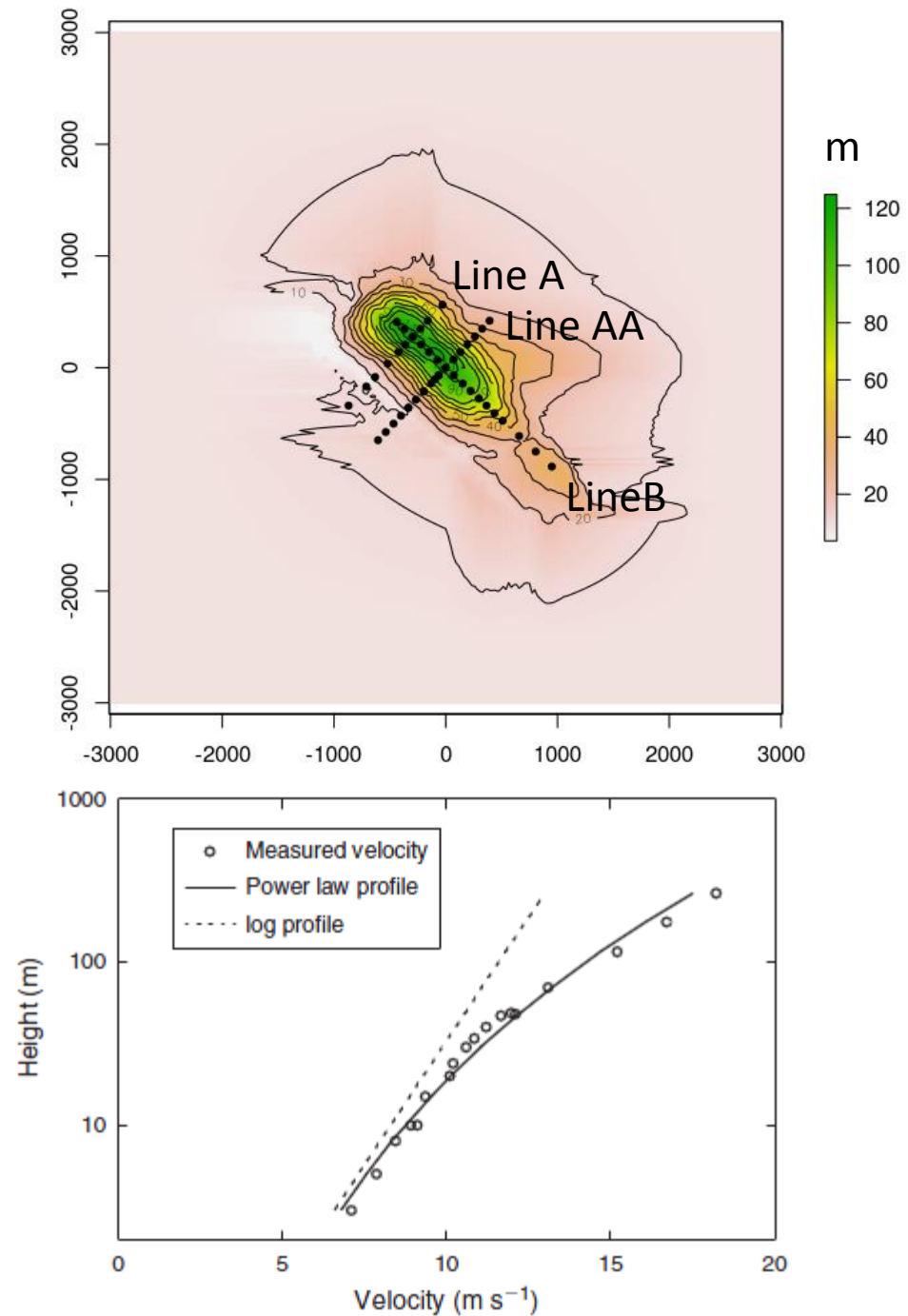
MF03-D and TU03B

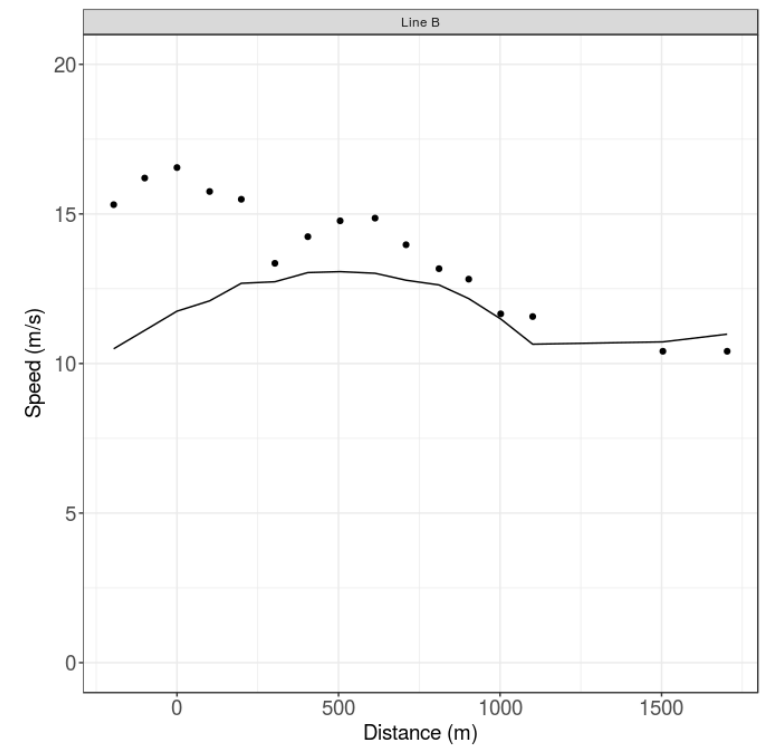
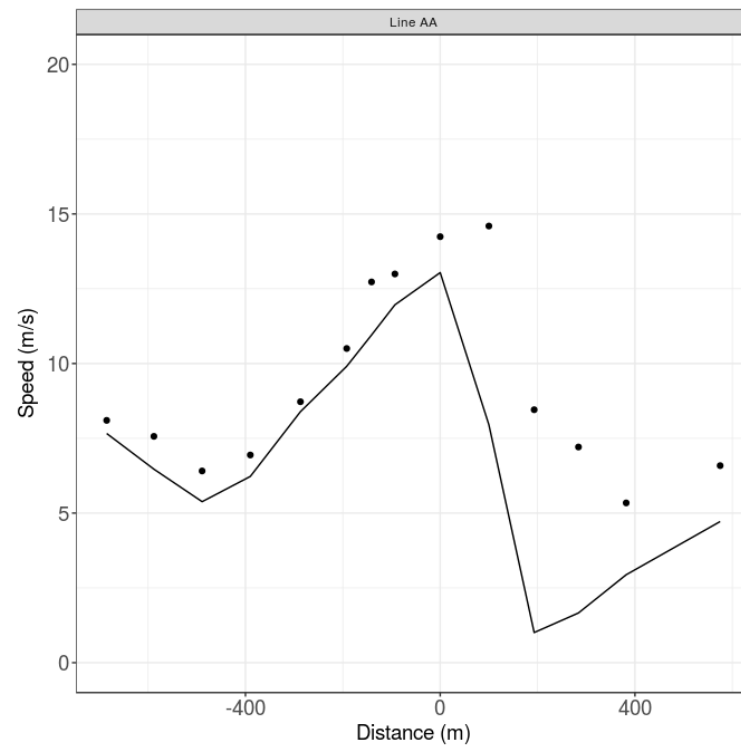
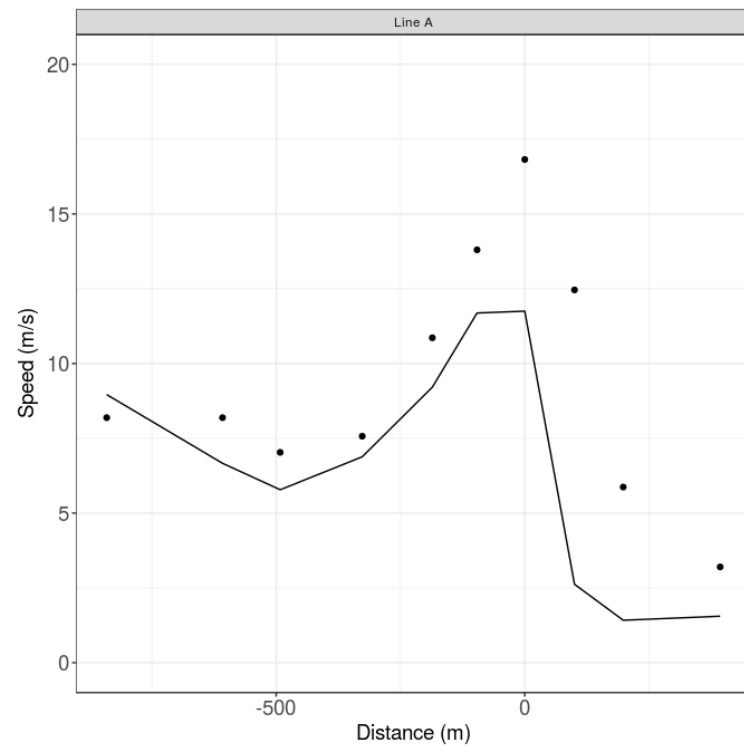
(Taylor and Teunissen, 1985)

3 transects with 10-m observed
winds

10-m wind: 8.9 m/s, 210 degrees
3 km upstream

Slightly stable conditions
measured at upstream reference
site

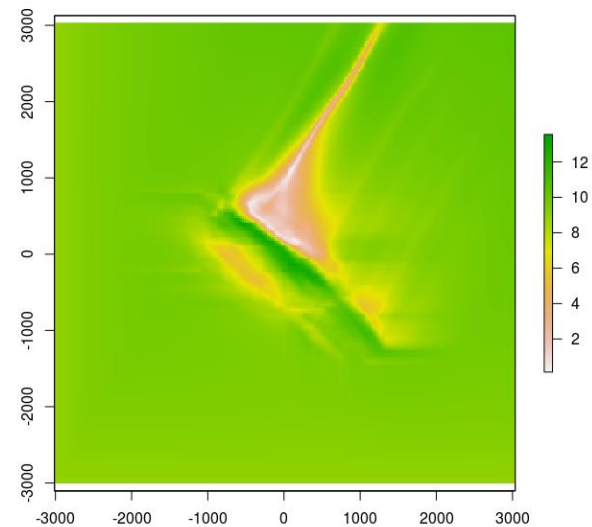


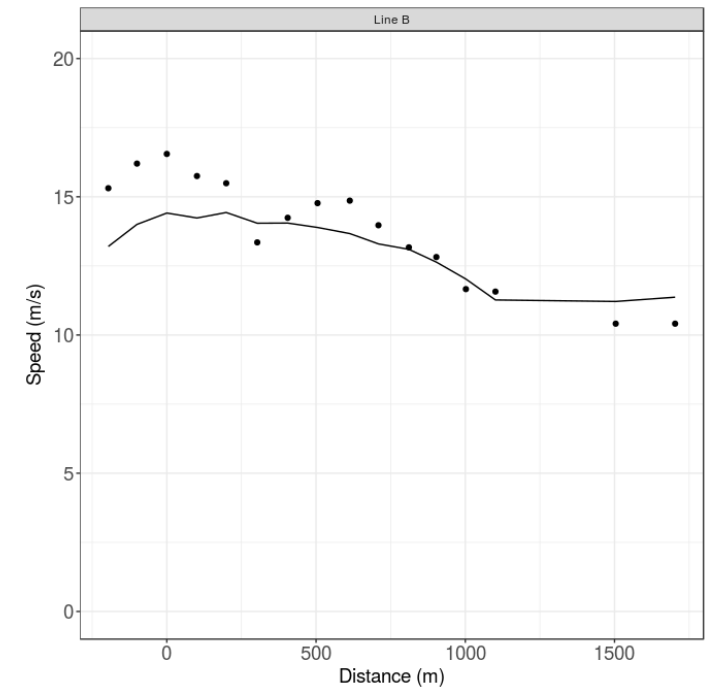
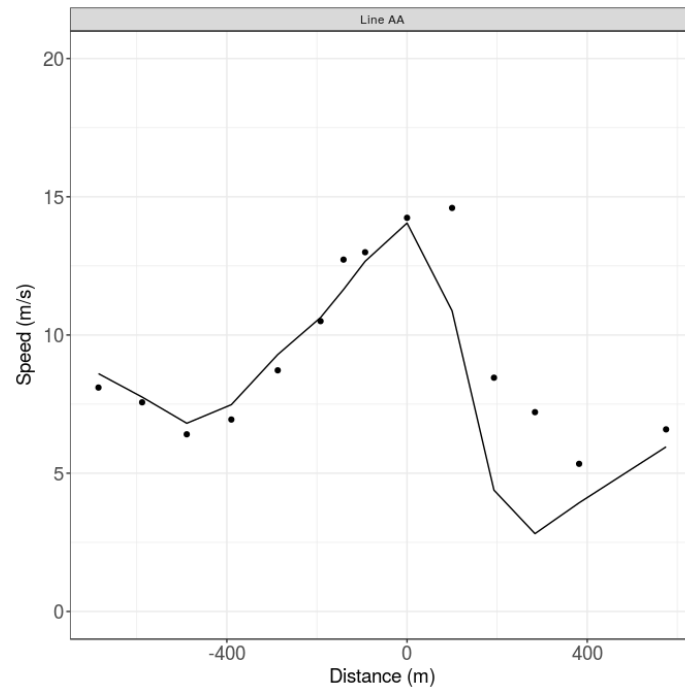
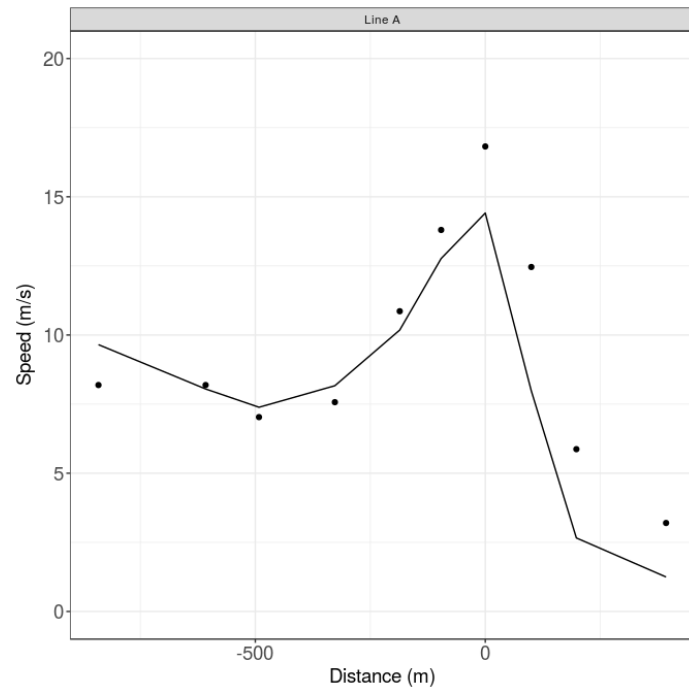


(Current settings)

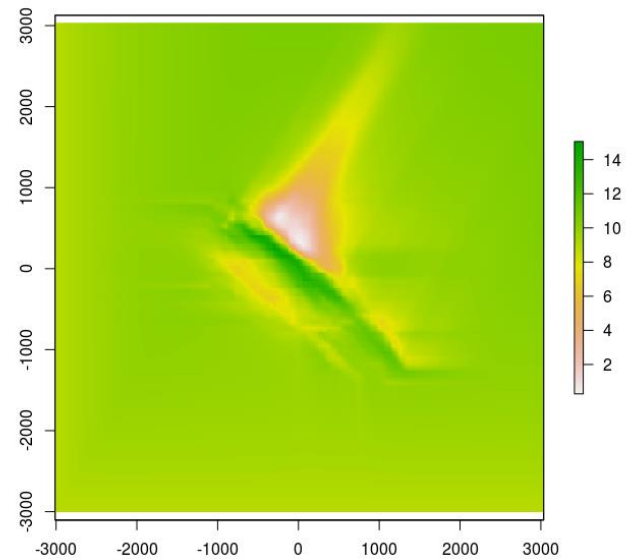
Turbulence: myKE

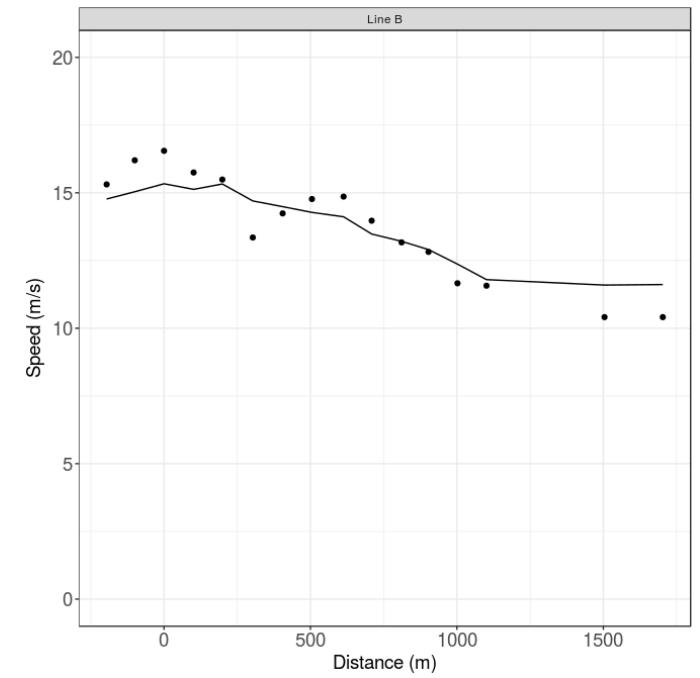
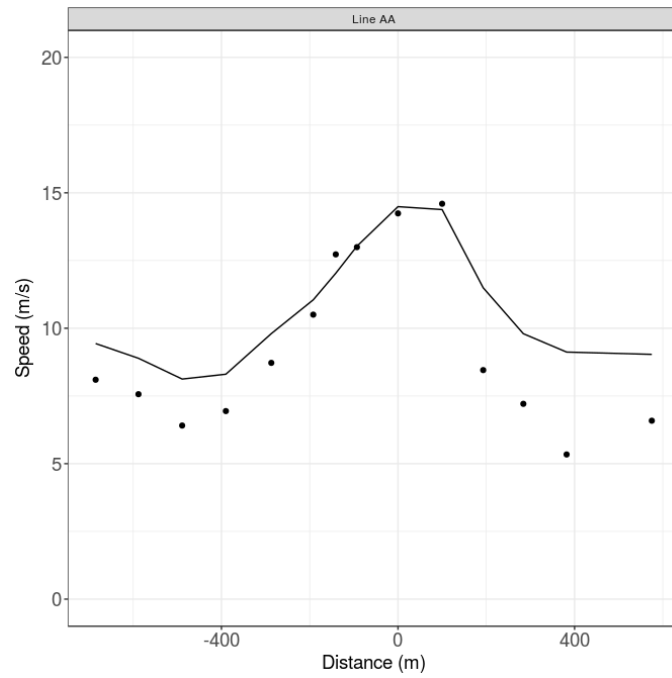
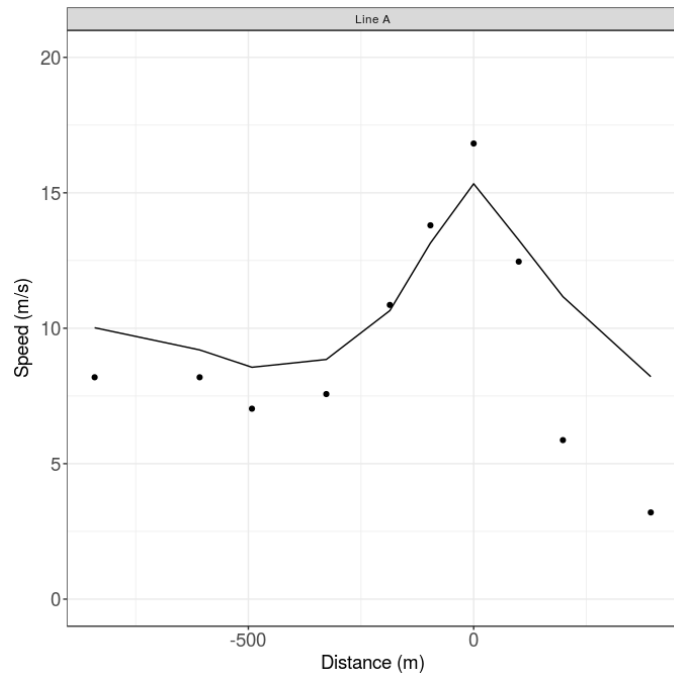
Div scheme: Gauss linearUpwind grad(U)



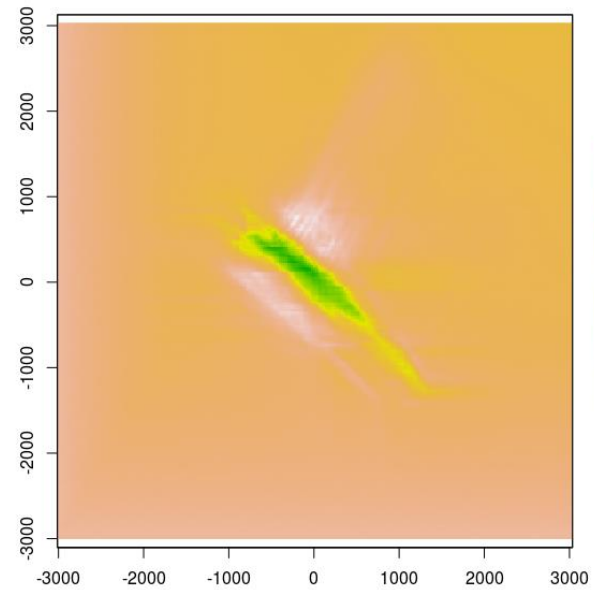


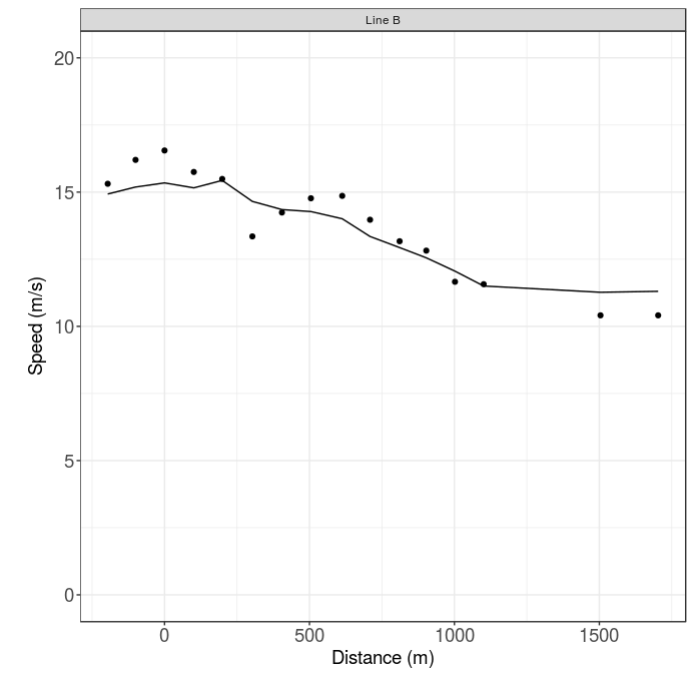
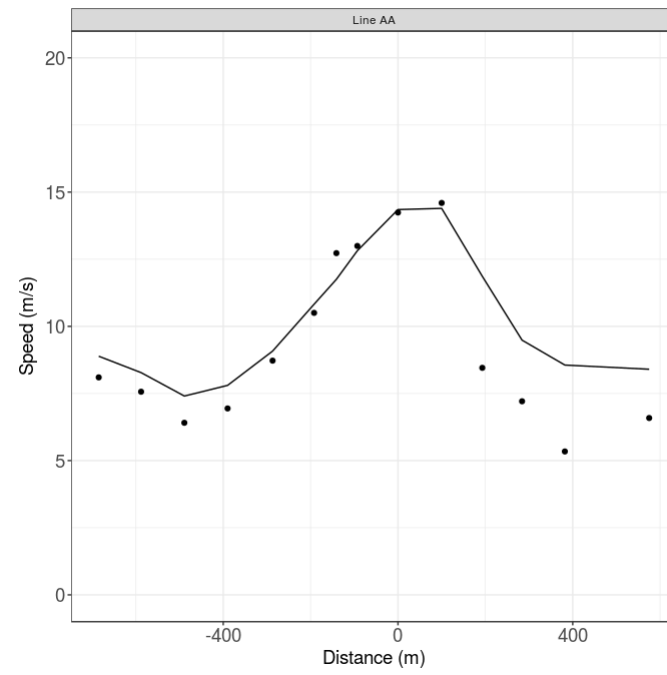
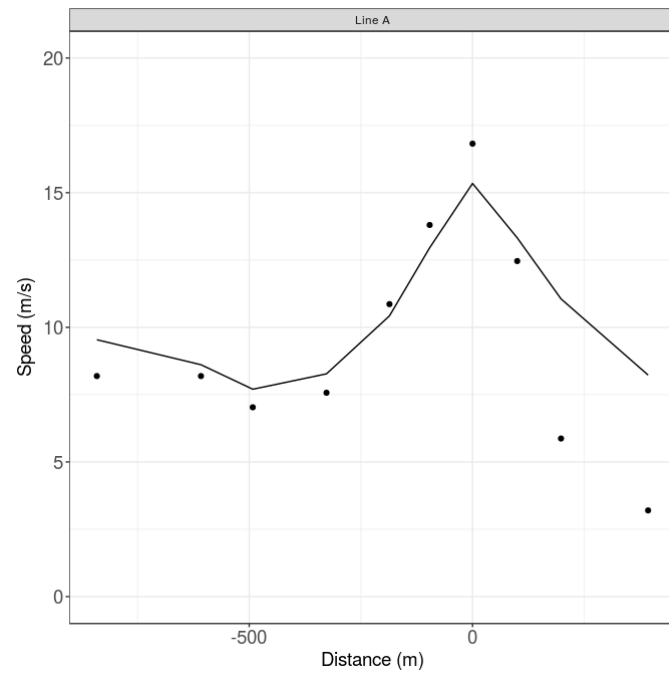
Turbulence: KE
Div scheme: Gauss linearUpwind grad(U)



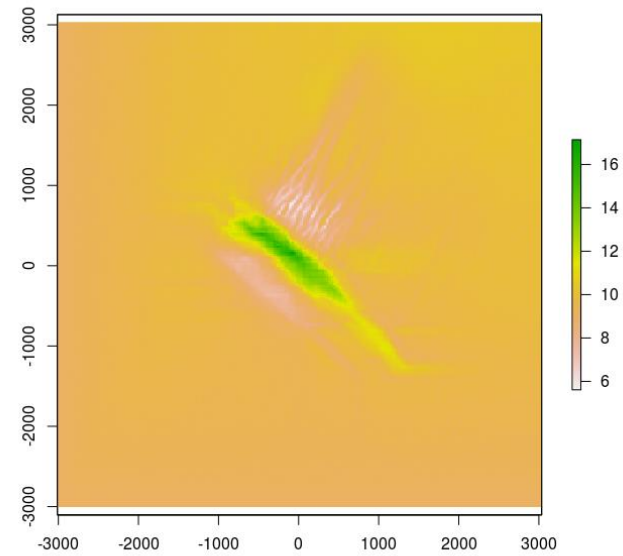


Turbulence: KE
Div scheme: QUICK





Turbulence: myKE
Div scheme: QUICK



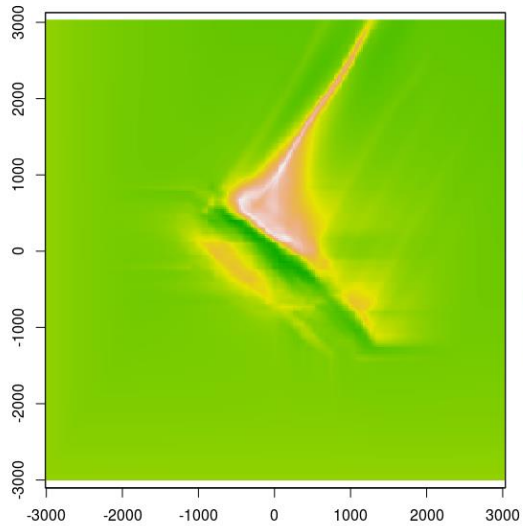
(Current settings)

Turbulence: myKE

Div scheme: Gauss

linearUpwind

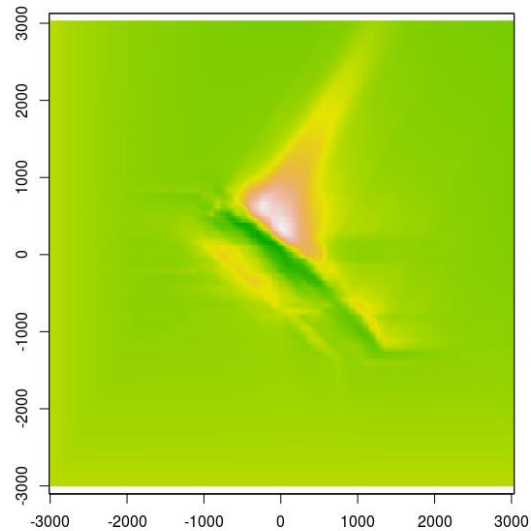
grad(U)



Turbulence: KE

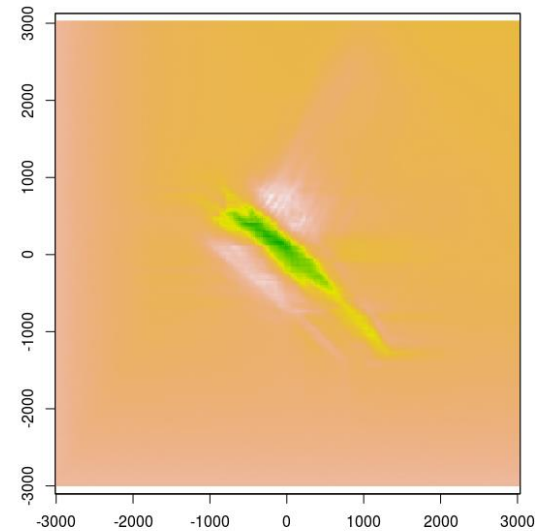
Div scheme: Gauss

linearUpwind grad(U)



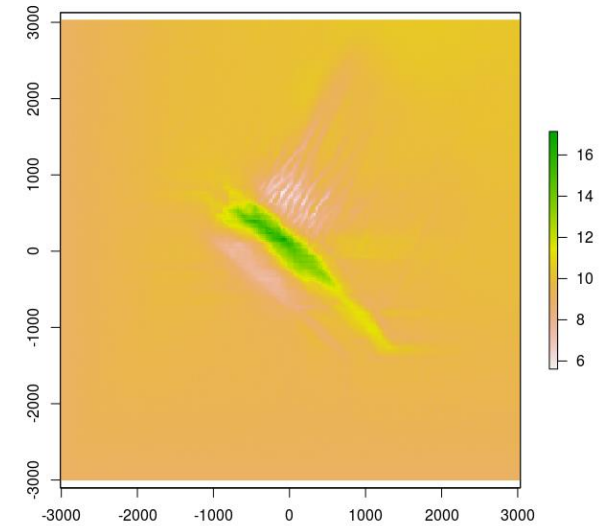
Turbulence: KE

Div scheme: QUICK



Turbulence: myKE

Div scheme: QUICK



(Current settings)

Turbulence: myKE

Div scheme: Gauss linearUpwind grad(U)

Turbulence: KE

Div scheme: Gauss

linearUpwind grad(U)

Turbulence: KE

Div scheme: QUICK

Turbulence: myKE

Div scheme: QUICK

