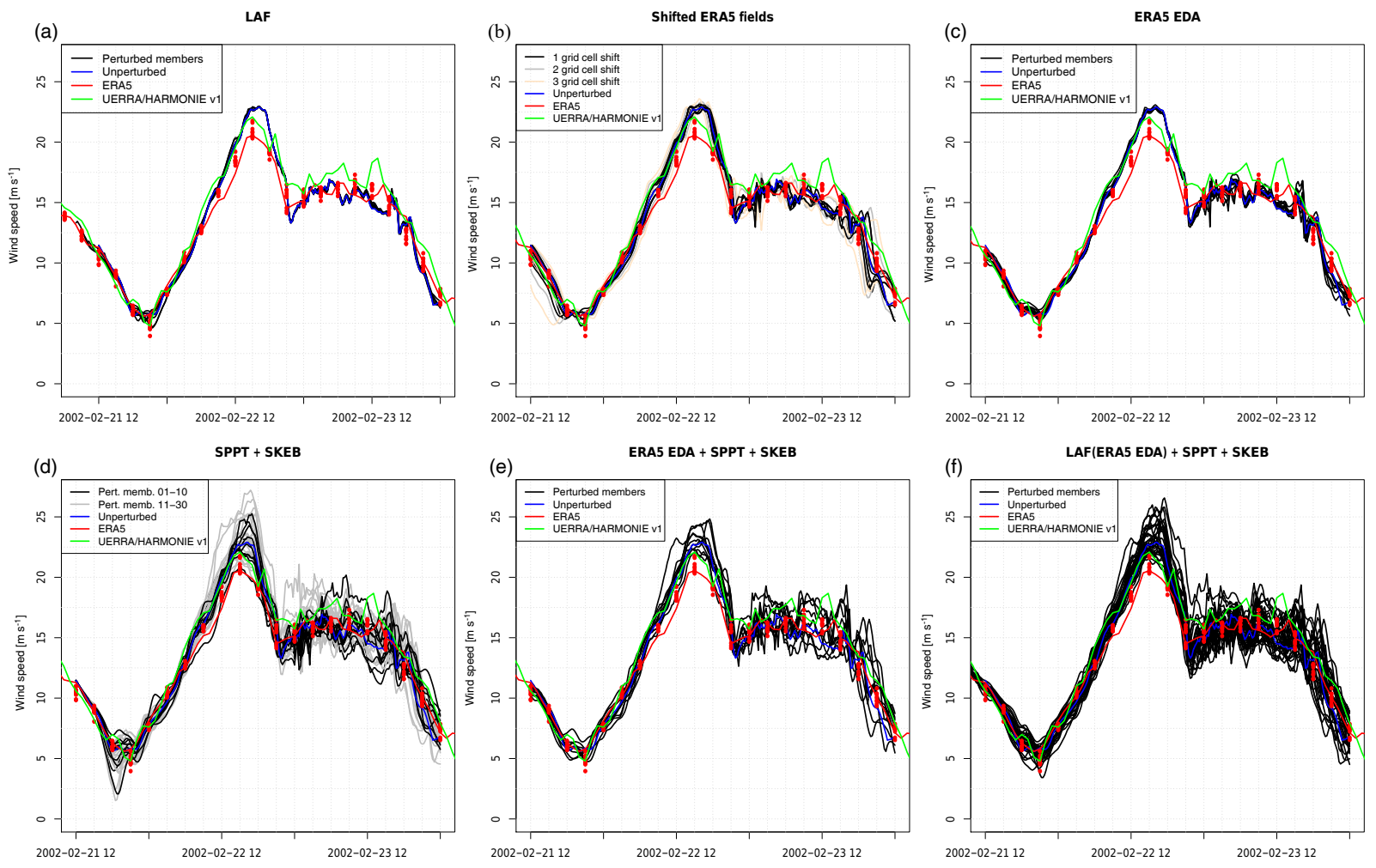
(a)
LAF
Perturbed members
Unperturbed
ERA5
UERRA/HARMONIE v1
(b)
Shifted ERA5 fields
1 grid cell shift
2 grid cell shift
3 grid cell shift
Unperturbed
ERA5
UERRA/HARMONIE v1
(c)
ERA5 EDA
Perturbed members
Unperturbed
ERA5
UERRA/HARMONIE v1
(d)
SPPT + SKEB
Pert. memb. 01–10
Pert. memb. 11–30
Unperturbed
ERA5
UERRA/HARMONIE v1
(e)
ERA5 EDA + SPPT + SKEB
Perturbed members
Unperturbed
ERA5
UERRA/HARMONIE v1
(f)
LAF(ERA5 EDA) + SPPT + SKEB
Perturbed members
Unperturbed
ERA5
UERRA/HARMONIE v1
Wind speed [m s-1]
0
5
10
15
20
25
2002-02-21 12
2002-02-22 12
2002-02-23 12