(a)
(b)
Elevation (m)
3300.0
3000.0
2700.0
2400.0
2100.0
1800.0
1500.0
1200.0
900.0
600.0
300.0
0.0
Whole Alps
NW
NE
SW
SE
20.0
17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
Relative frequency of elevation (%)
NW - MTMSI
NE - MTMSI
SW - MTMSI
SE - MTMSI
NW - MESCAN-SURFEX
NE - MESCAN-SURFEX
SW - MESCAN-SURFEX
SE - MESCAN-SURFEX
NW - CERRA-Land
NE - CERRA-Land
SW - CERRA-Land
SE - CERRA-Land
NW - ERA5
NE - ERA5
SW - ERA5
SE - ERA5
NW - ERA5-Crocus
NE - ERA5-Crocus
SW - ERA5-Crocus
SE - ERA5-Crocus
NW - ERA5-Land
NE - ERA5-Land
SW - ERA5-Land
SE - ERA5-Land
NW - CNRM-AROME
NE - CNRM-AROME
SW - CNRM-AROME
SE - CNRM-AROME
NW - CNRM-ALADIN
NE - CNRM-ALADIN
SW - CNRM-ALADIN
SE - CNRM-ALADIN
NW - OBS_snd
NE - OBS_snd
SW - OBS_snd
SE - OBS_snd
NW - OBS_pr
NE - OBS_pr
SW - OBS_pr
SE - OBS_pr
NW - OBS_tas
NE - OBS_tas
SW - OBS_tas
SE - OBS_tas
10.0
7.5
5.0
2.5
0.0
−2.5
−5.0
−7.5
−10.0
Bias of relative frequency of elevation (%)