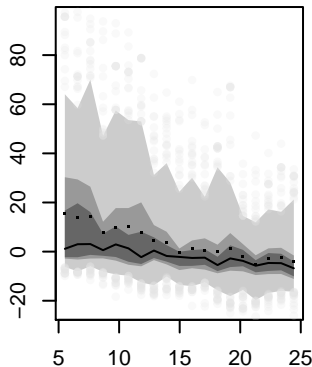
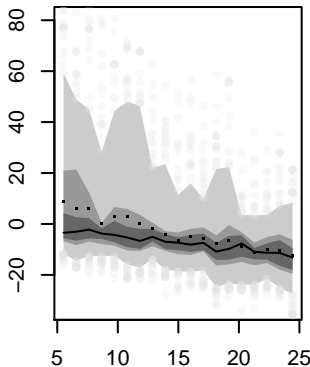


surface mass balance  $\text{kgm}^{-2}$

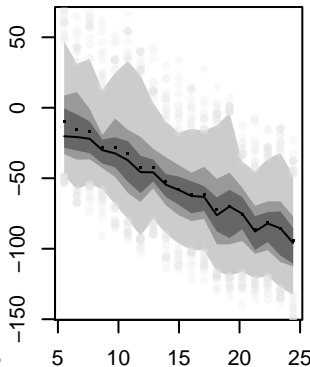
**region 1**



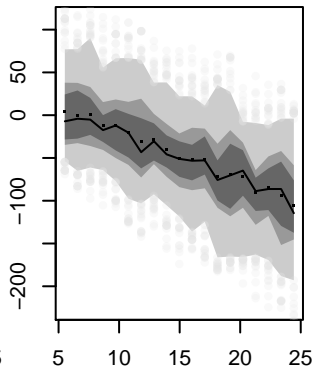
**region 2**



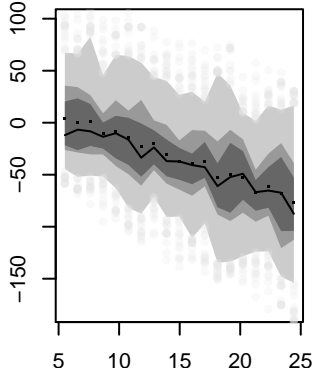
**region 3**



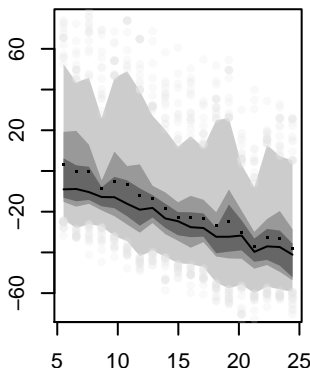
**region 4**



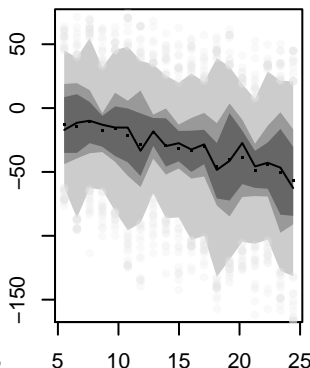
**region 5**



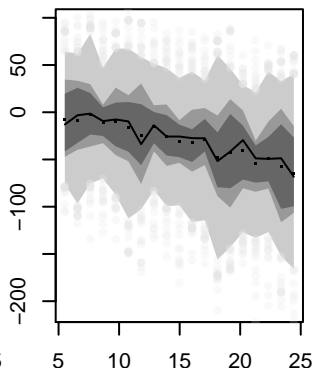
**region 6**



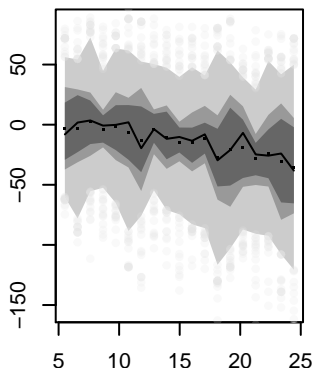
**region 7**



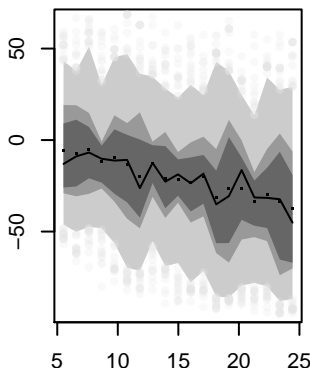
**region 8**



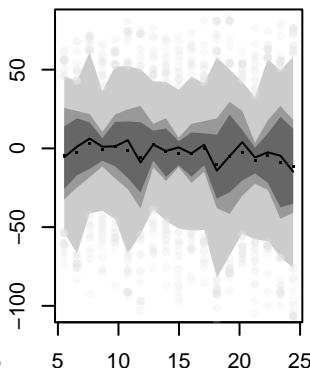
**region 9**



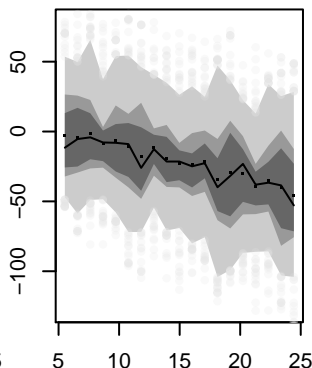
**region 10**



**region 11**



**entire GrIS**



$D_{\text{sh}}$