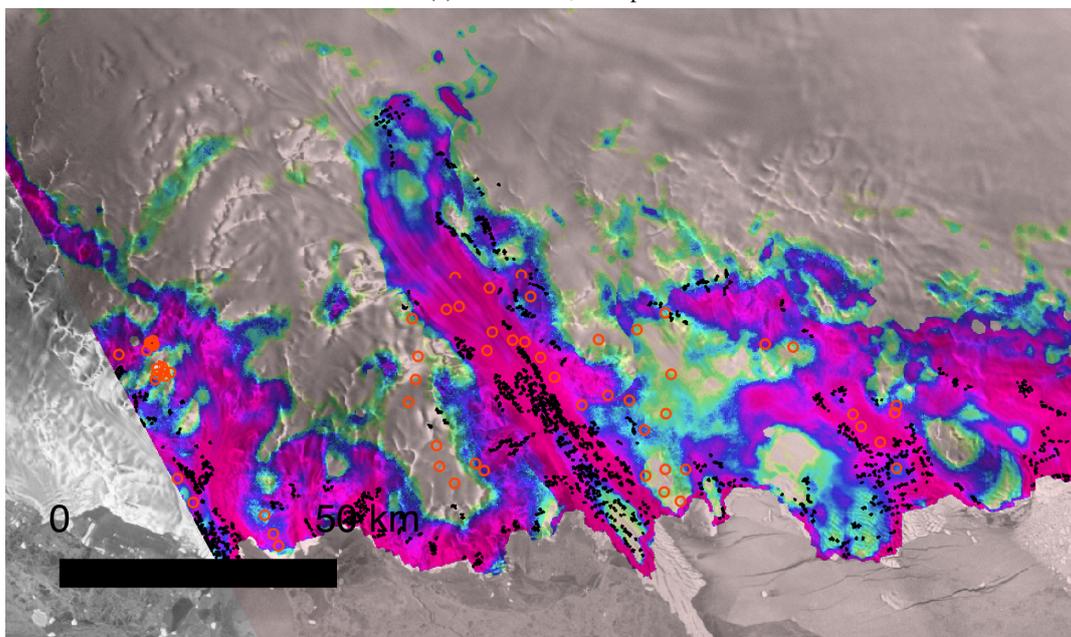


(a) Baudoin IS, Group 1



(b) Rennik IS, Group 1

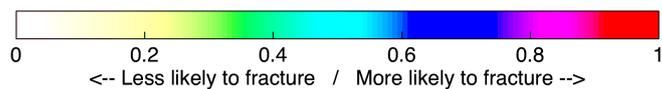
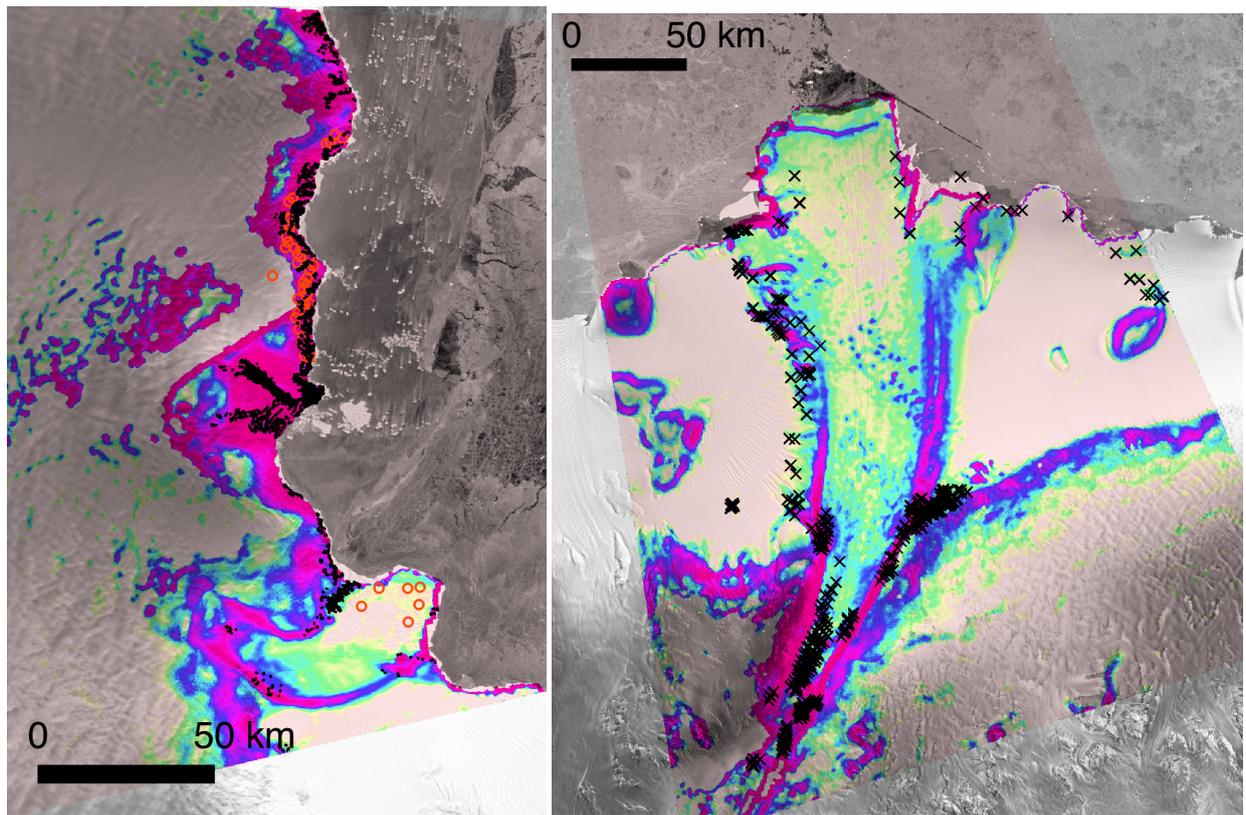
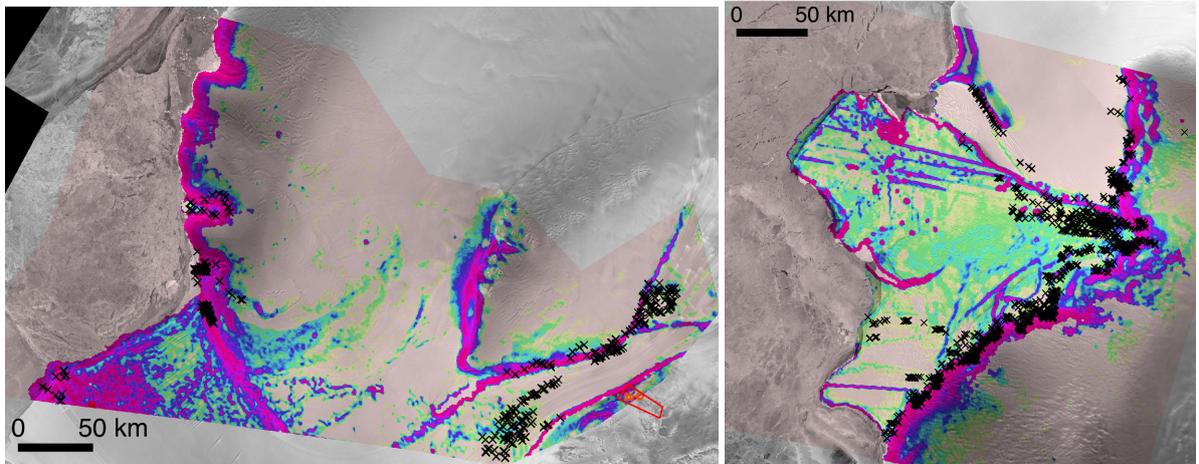


Figure S1. Group 1: Modelled probability of a fracture for Baudoin IS (a) and Rennik IS (b). Observed surface fractures are shown in black and observed non-fractured ice is marked with orange circles. Red polygons represent regions where high resolution images were available.



(a) West IS, Group 1

(b) Ekstroim IS, Group 1



(c) Filchner IS, Group 1

(d) Stancomb-Brunt IS, Group 1

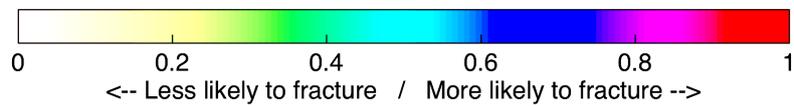
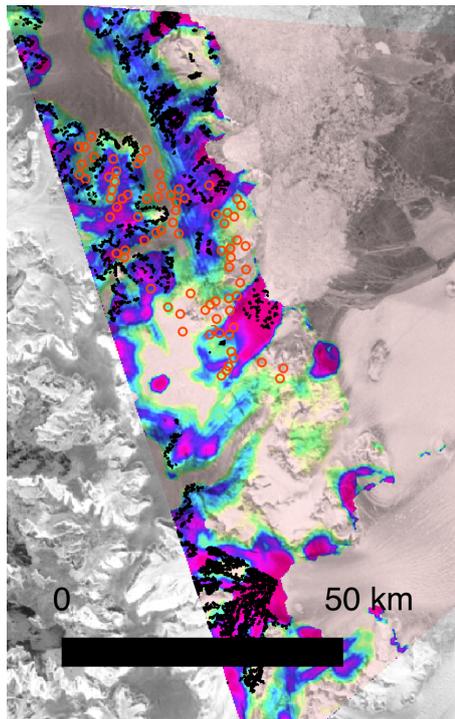
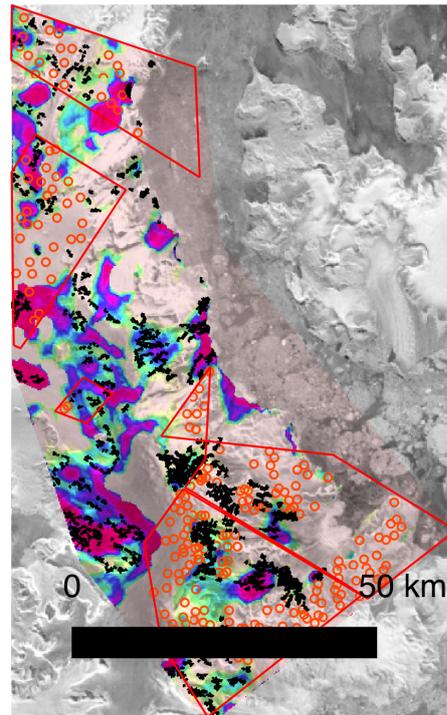


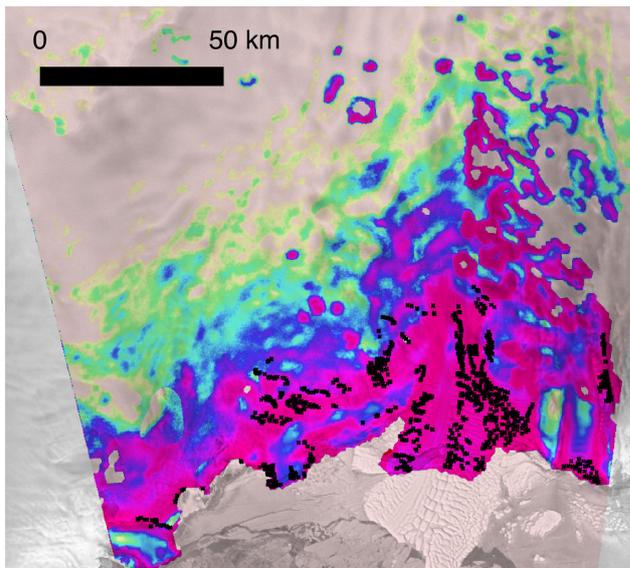
Figure S2. Group 1: Modelled probability of a fracture for West IS (a), Ekstroim IS (b), Filchner IS (c) and Stancomb-Brunt IS (d). Labels the same as Fig. S1.



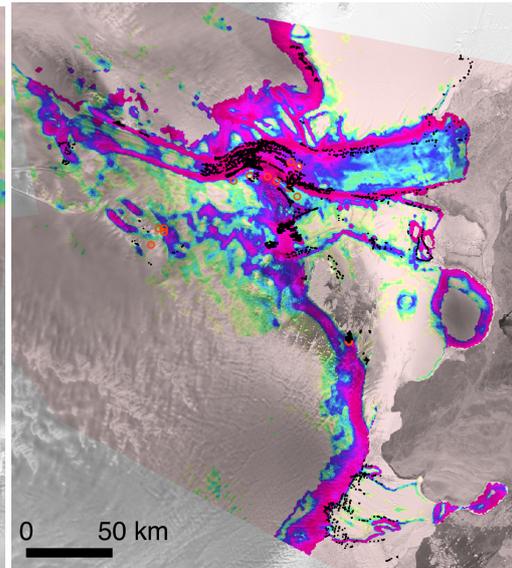
(a) Larsen B IS, Group 2



(b) Larsen A IS, unsuccessful



(c) Ninnis IS



(d) Tracy-Tremenchus IS

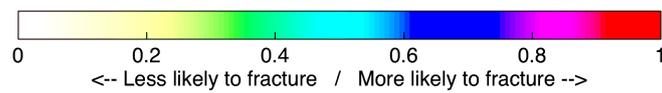
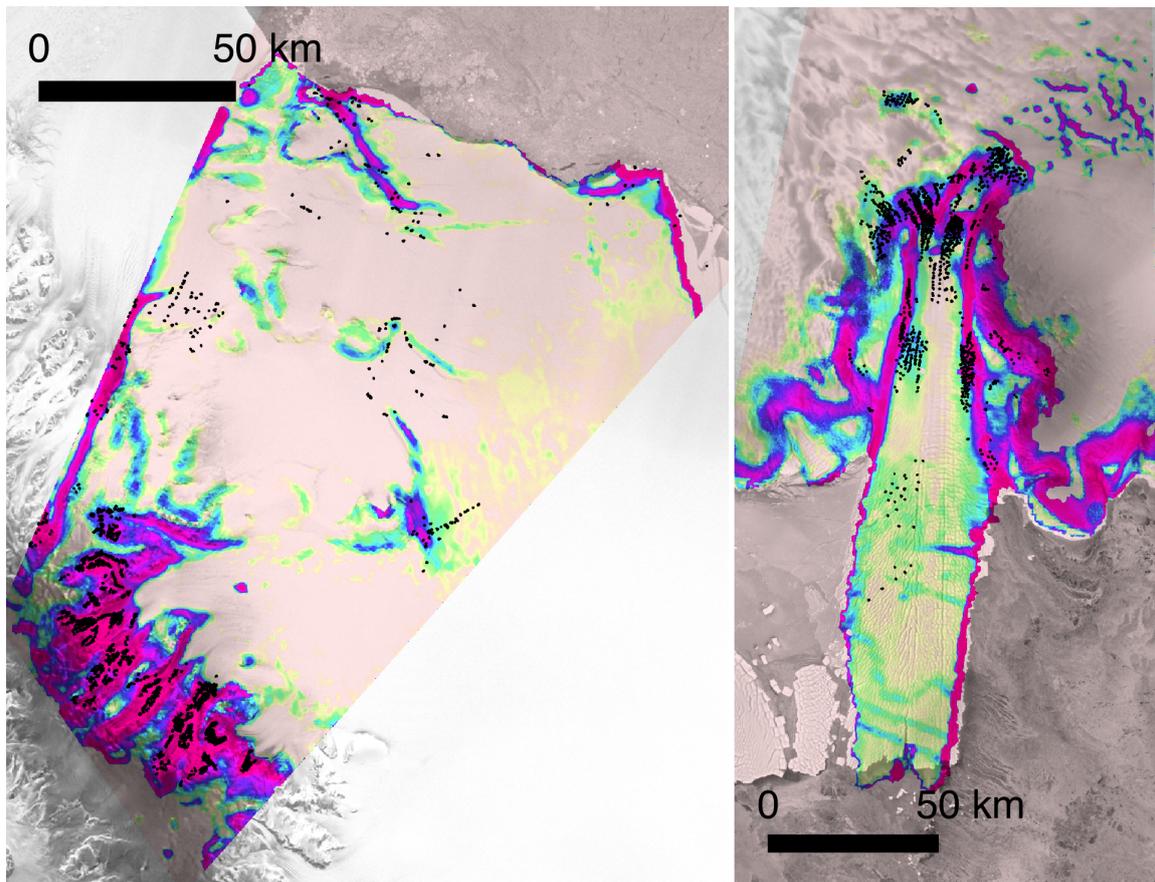
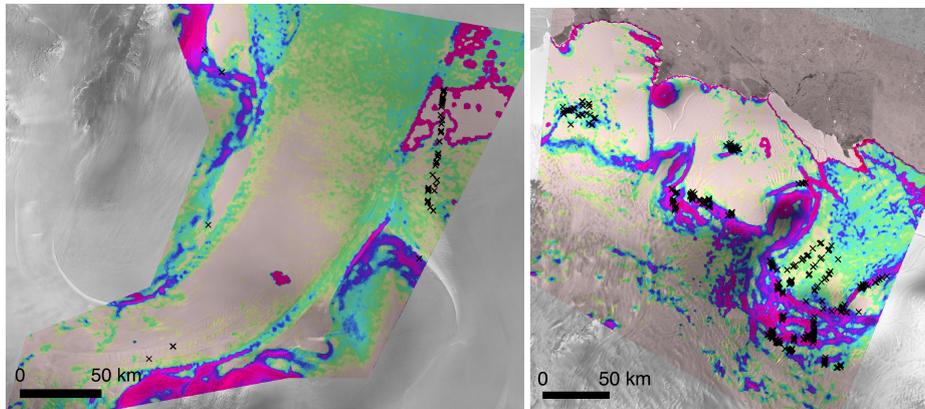


Figure S3. Group 1 and 2: Modelled probability of a fracture for Larsen B IS (Nordenskjold coast, Group 2) (a), Larsen A IS (b) and Group 1: Ninnis IS (c) and Tracy-Tremenchus IS (d). Labels the same as Fig. S1.



(a) Larsen C IS, Group 2

(b) Mertz IS, Group 1



(c) Ronne IS, unsuccessful results

(d) Borchgrevnik-Lazarev IS, Group 1

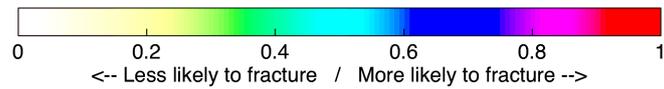
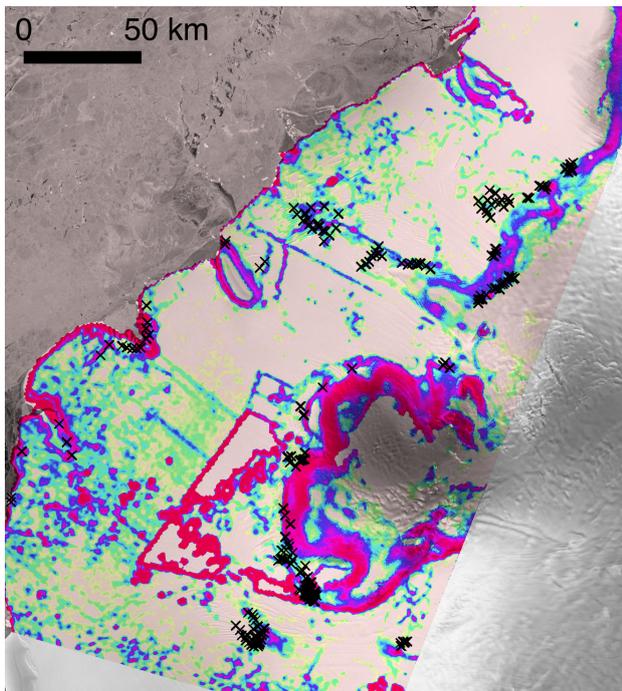
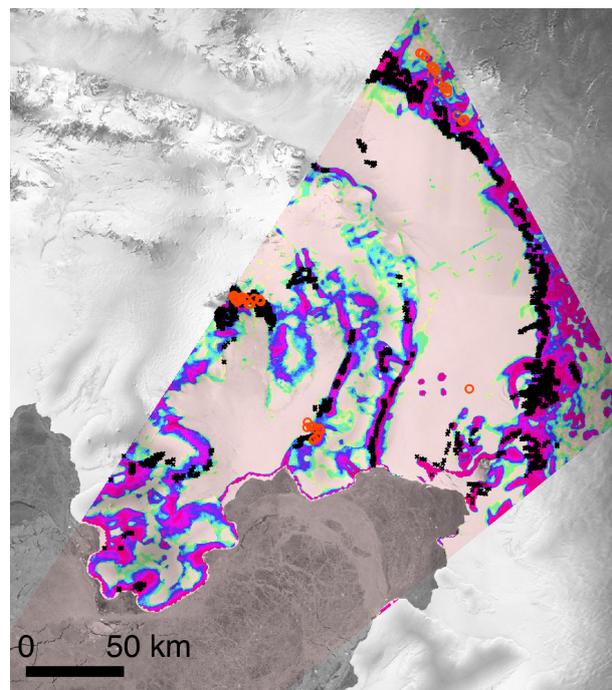


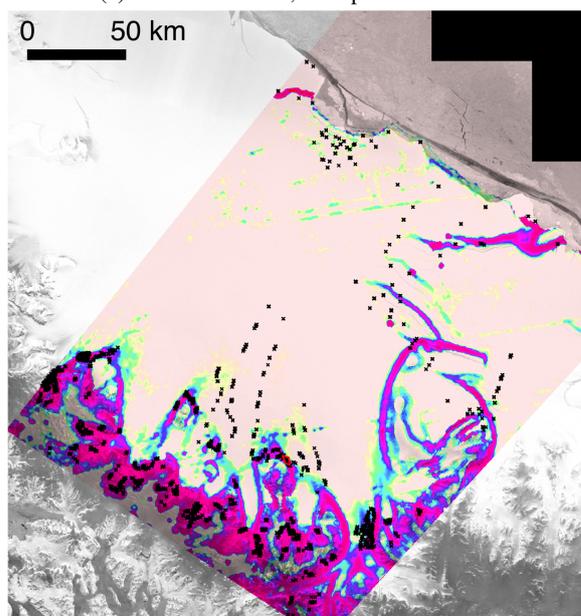
Figure S4. Group 1 and 2: Modelled probability of a fracture for Larsen C IS (Group2) (a), Ronne IS, unsuccessful results (c) and Group 1: Nivl IS (b) and Borchgrevnik and Lazarev IS (d). Labels the same as Fig. S1.



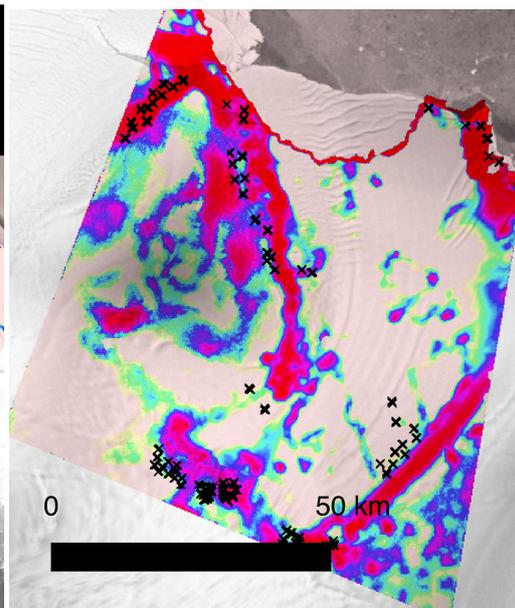
(a) Riiser-Larsen IS, Group 1



(b) George VII IS, Group 4



(c) Larsen C IS, Fallieres Coast, Group 4



(d) Borchgrevnik IS, Group 4

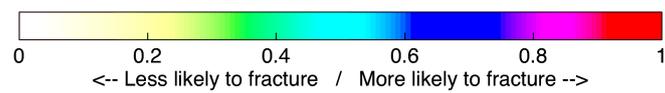


Figure S5. Group 1 and 4: Modelled probability of a fracture for Riiser-Larsen IS (Group 1) and Group 4: George VII IS (b), Larsen C IS, Fallieres Coast (c) and Borchgrevnik IS (d). Labels the same as Fig. S1.