

Analysis of clouds over Ross Sea and the Ross Ice Shelf

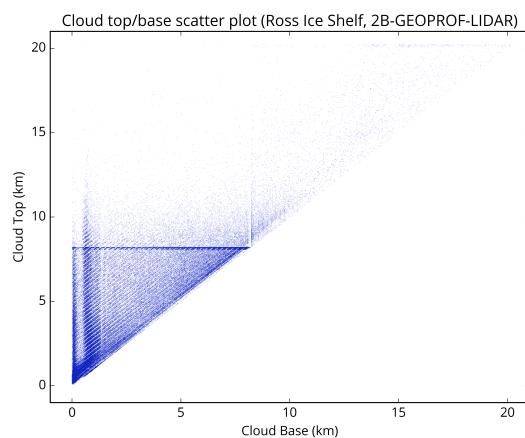
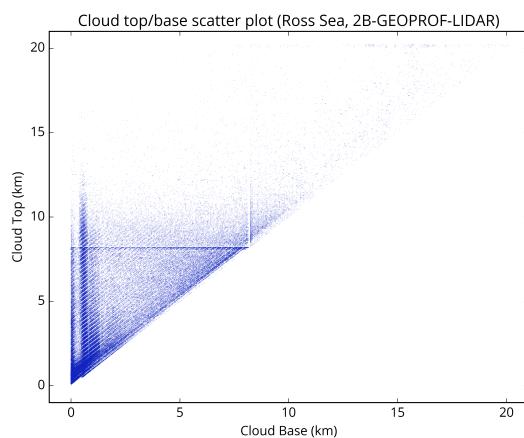
Peter Kuma

02 Dec 2016

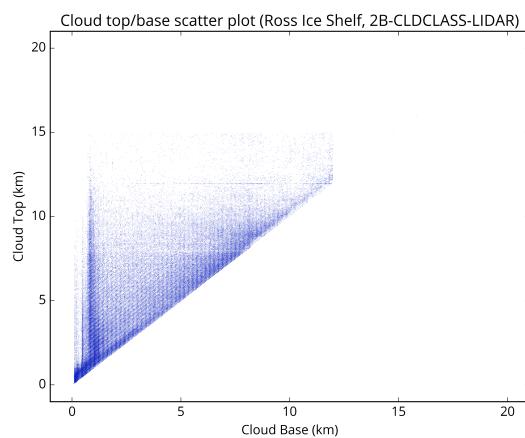
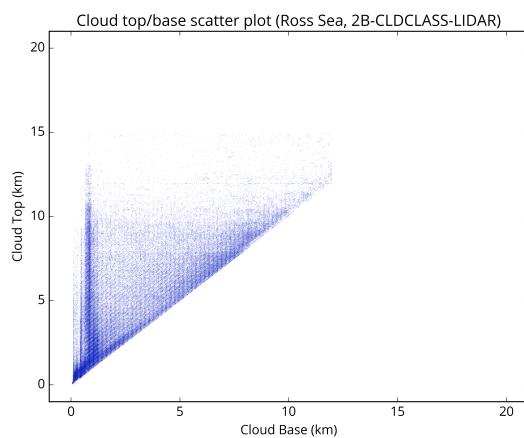
Results

Cloud top/base scatter plot

2B-GEOPROF-LIDAR

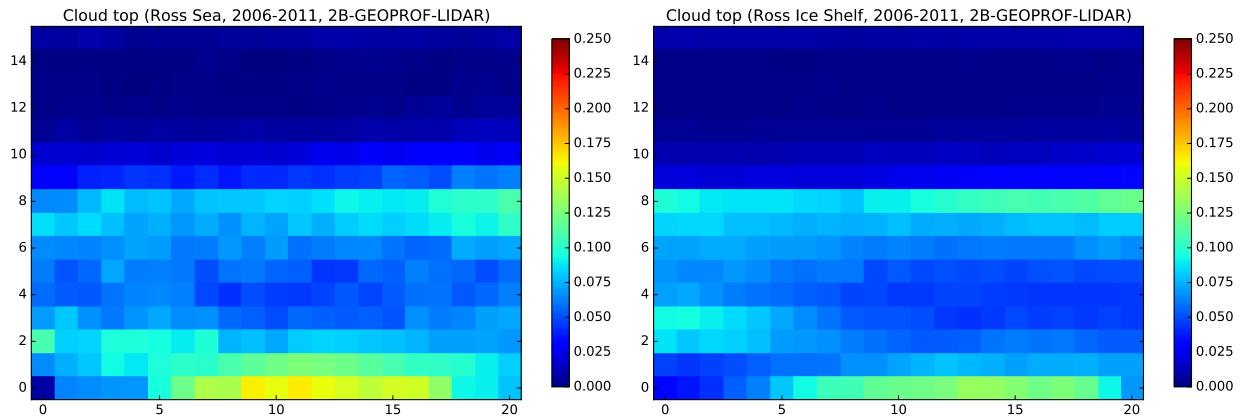


2B-CLDCLASS-LIDAR

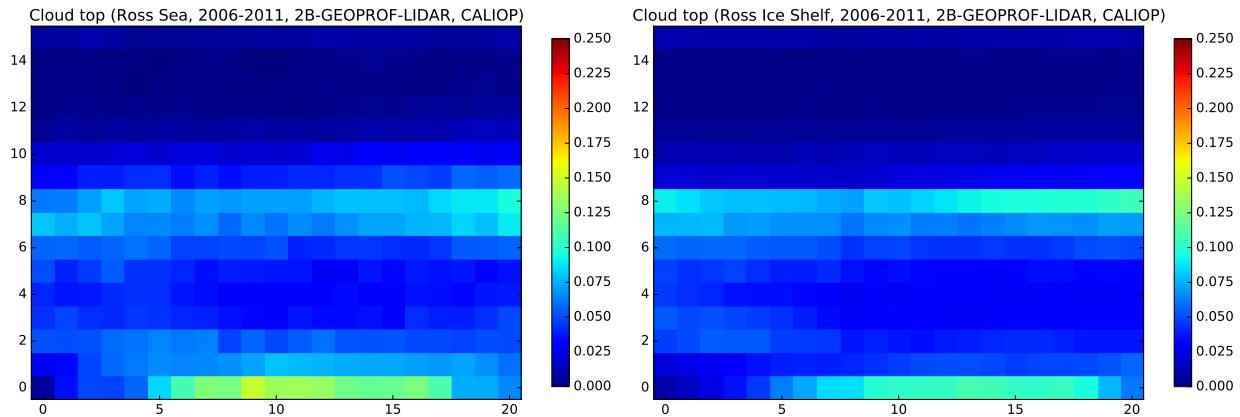


Cloud top histogram

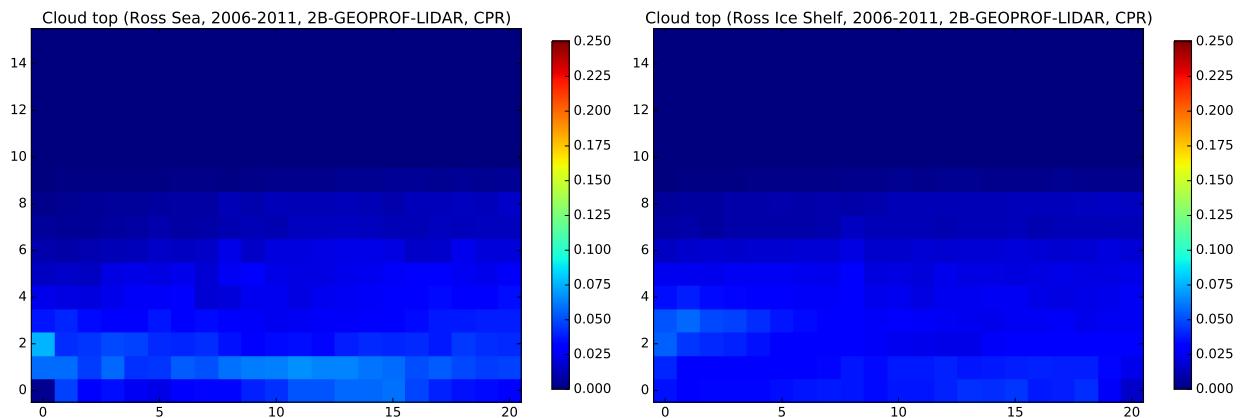
2B-GEOPROF-LIDAR



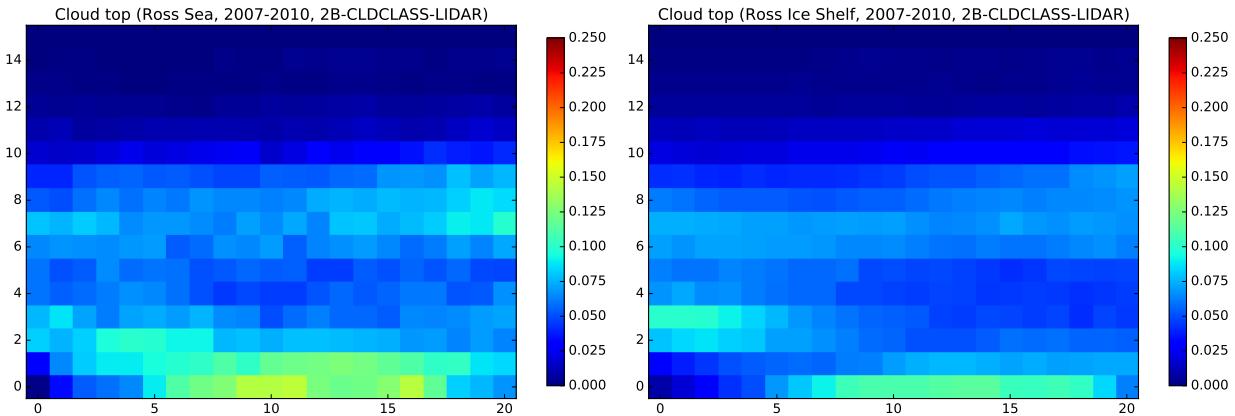
CALIOP



CPR



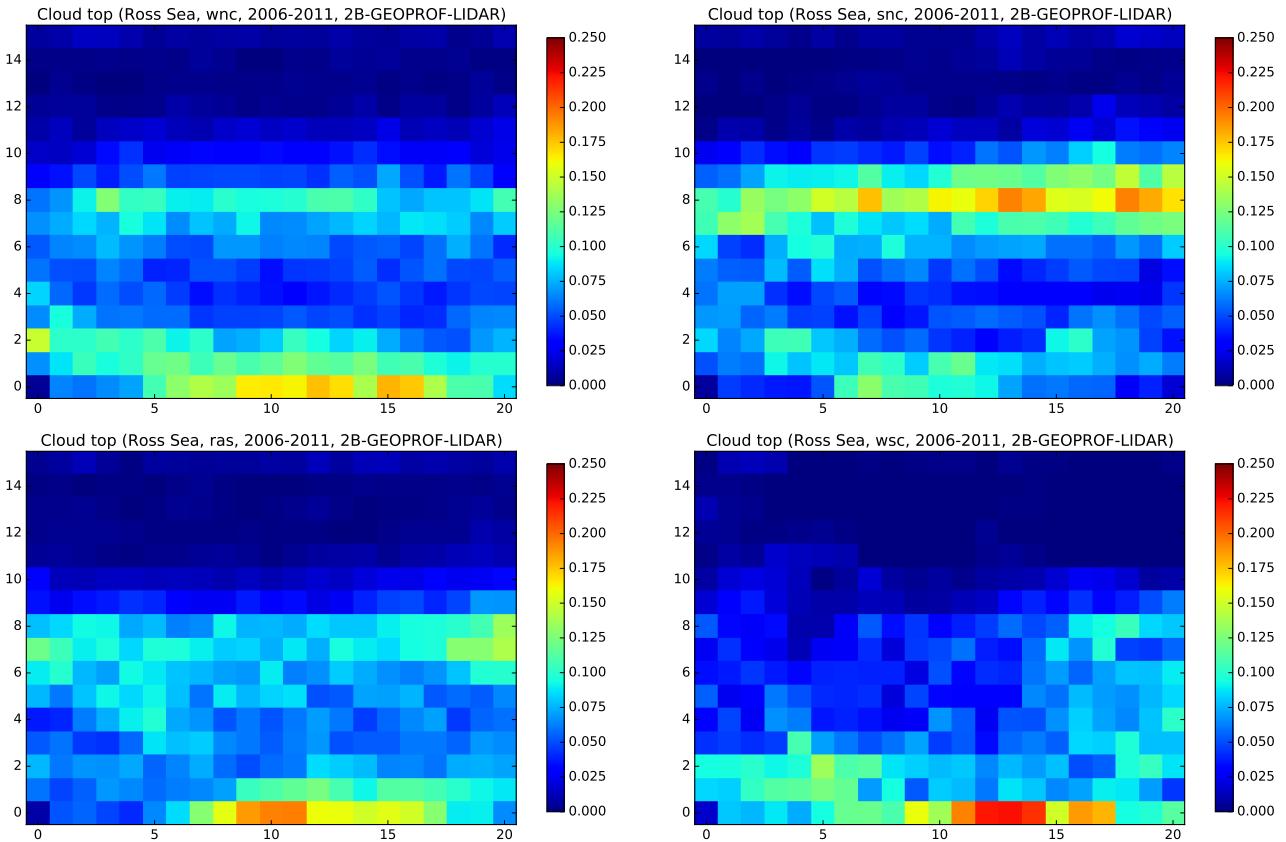
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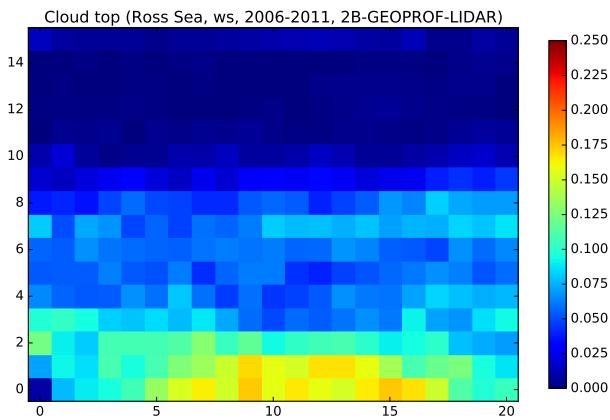


Cloud top histogram by regime

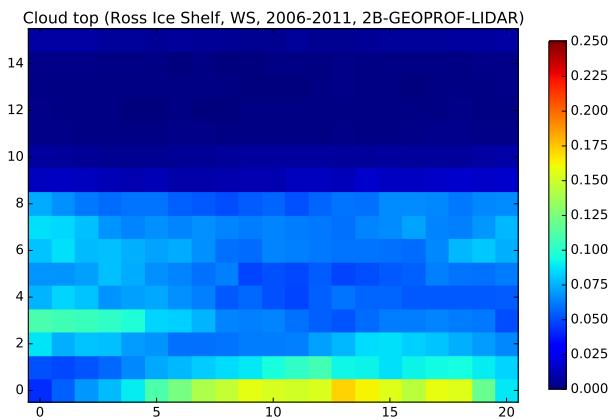
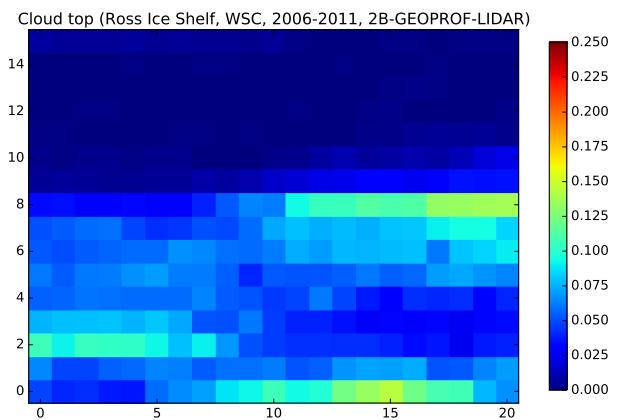
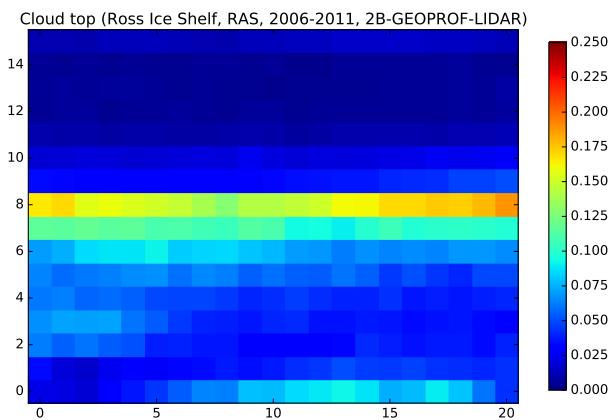
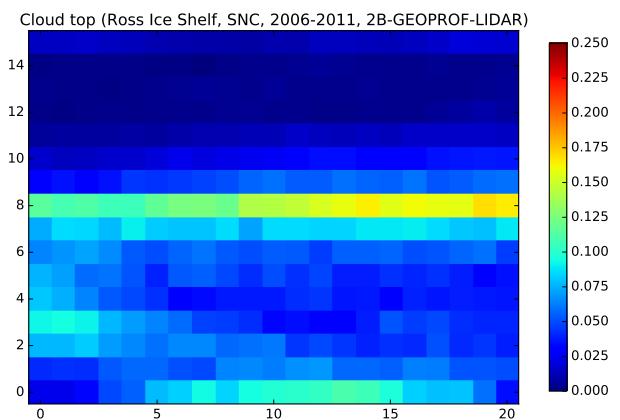
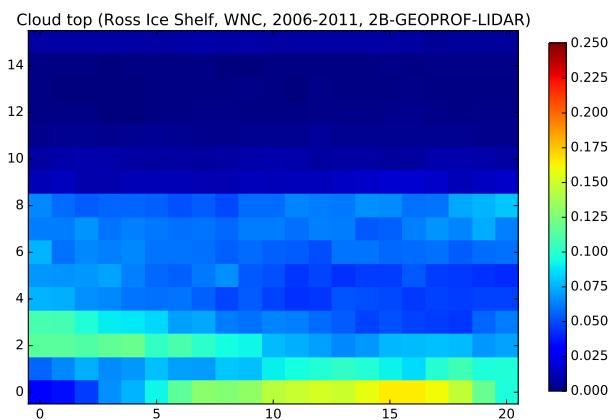
2B-GEOPROF-LIDAR

Ross Sea



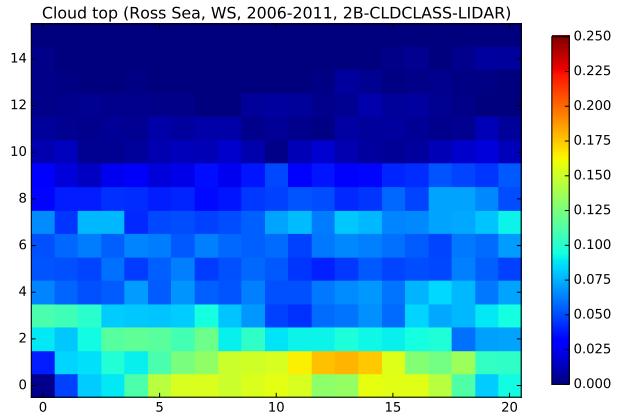
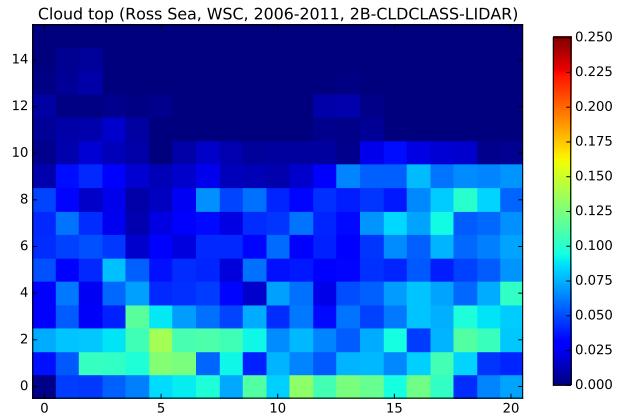
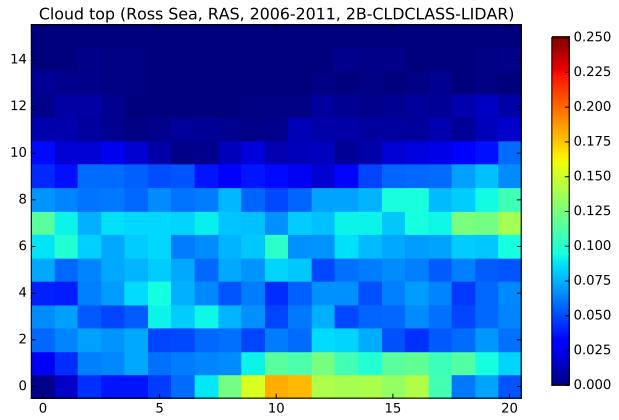
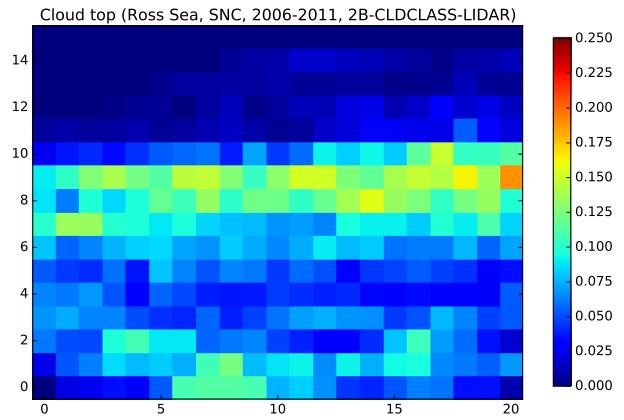
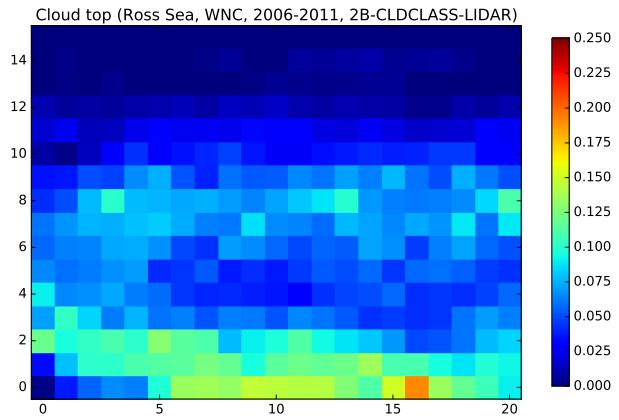


Ross Ice Shelf

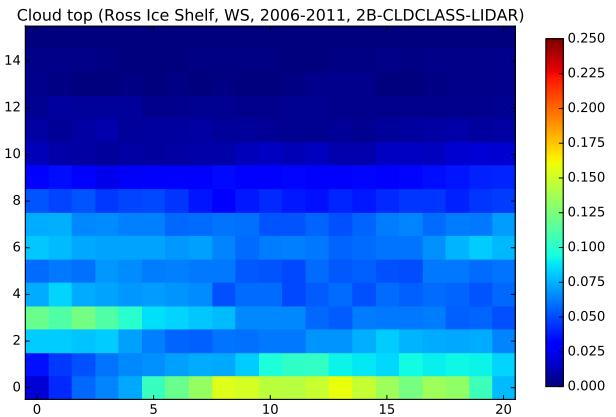
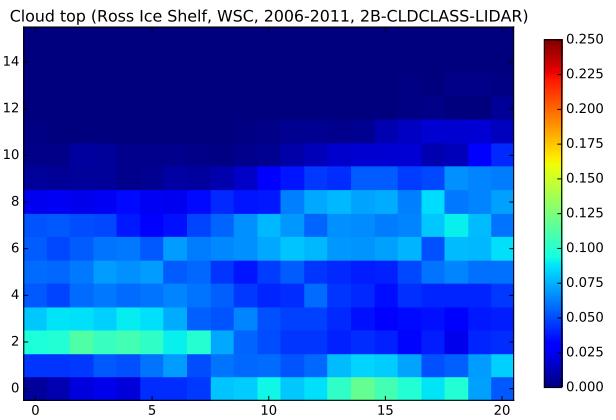
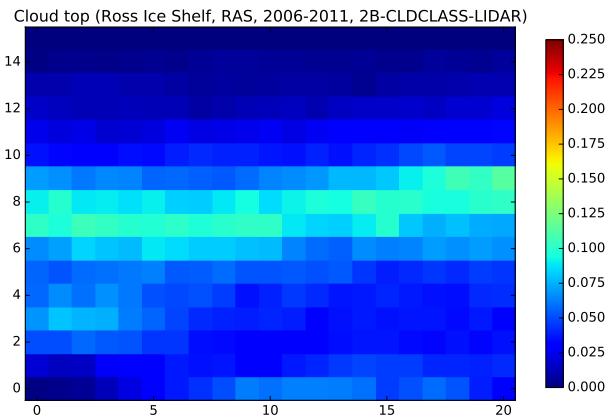
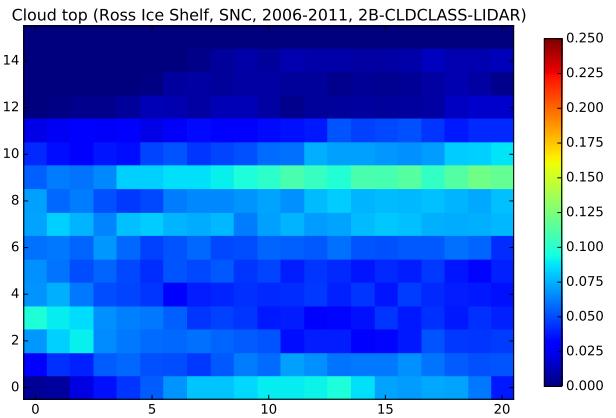
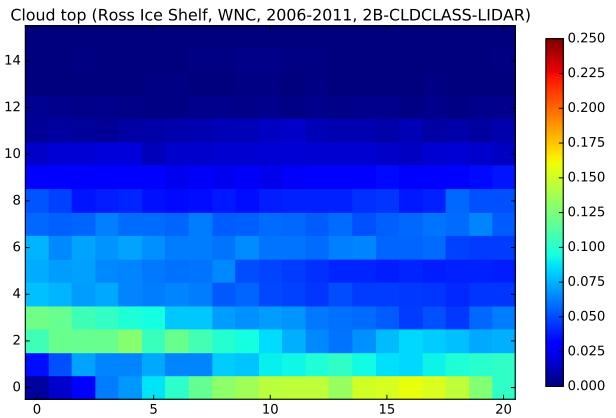


2B-CLDCLASS-LIDAR

Ross Sea

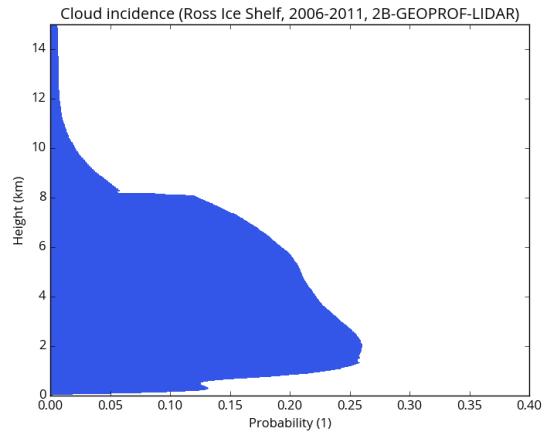
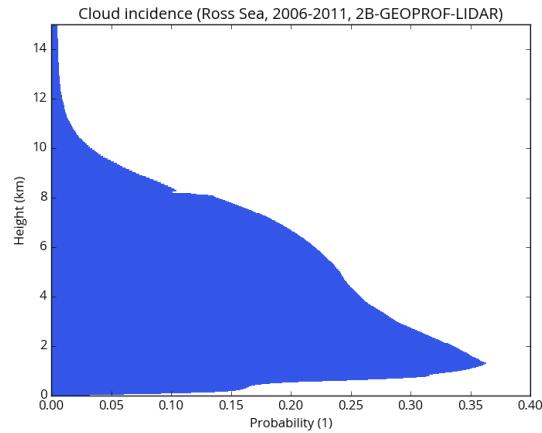


Ross Ice Shelf

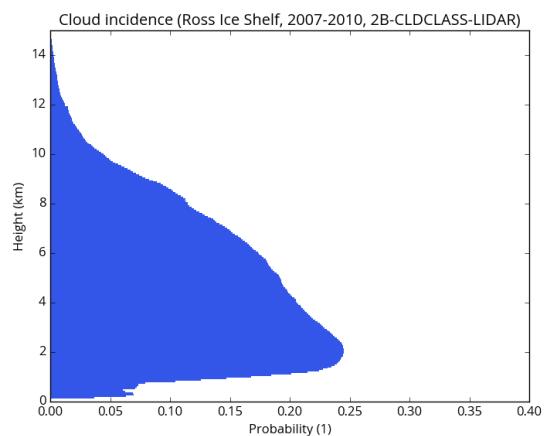
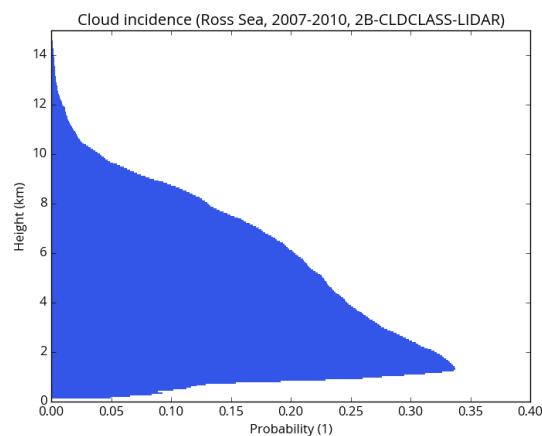


Cloud incidence

2B-GEOPROF-LIDAR

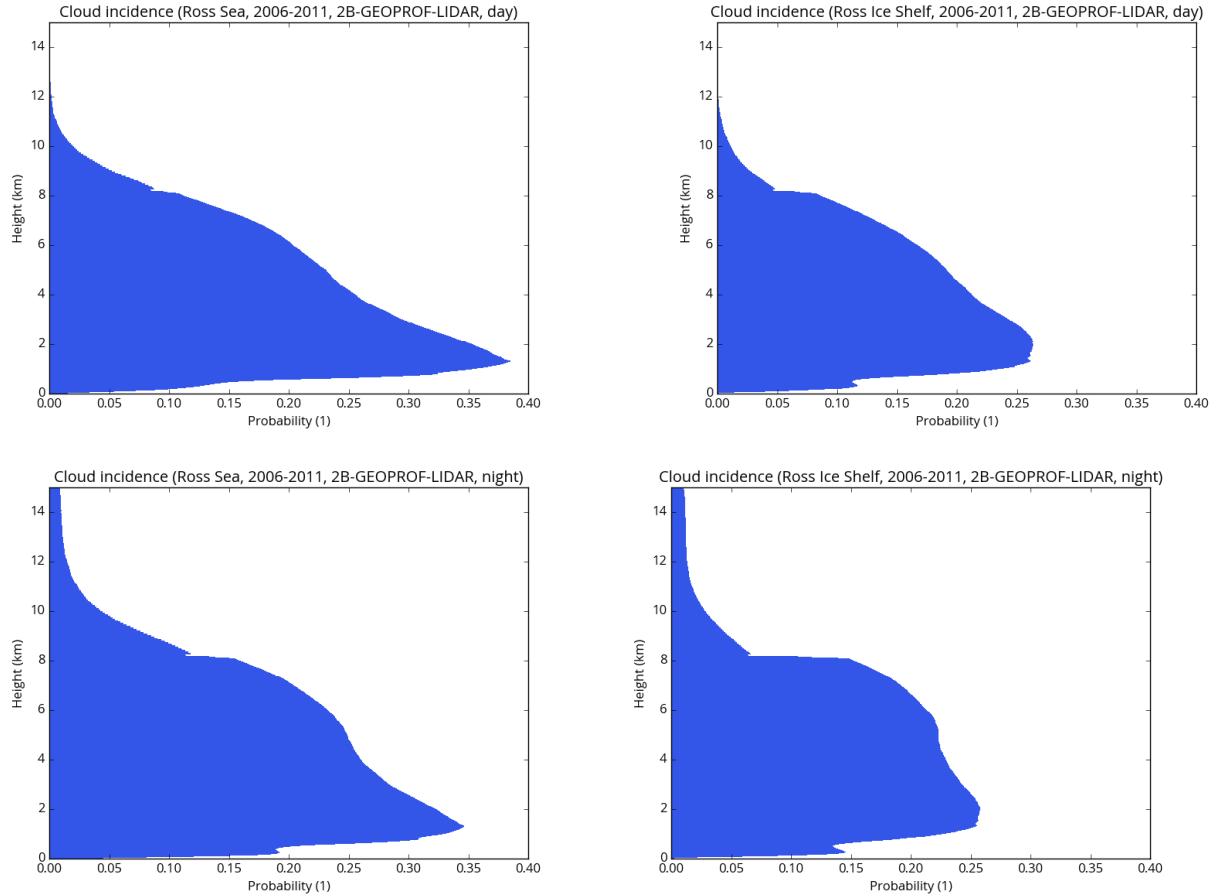


2B-CLDCLASS-LIDAR



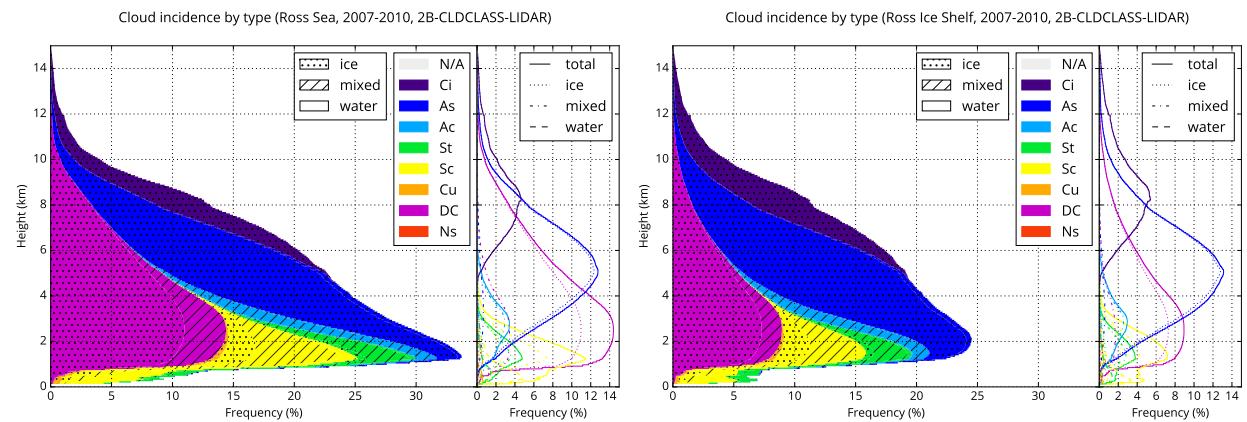
Cloud incidence day/night

2B-GEOPROF-LIDAR



Cloud incidence by type

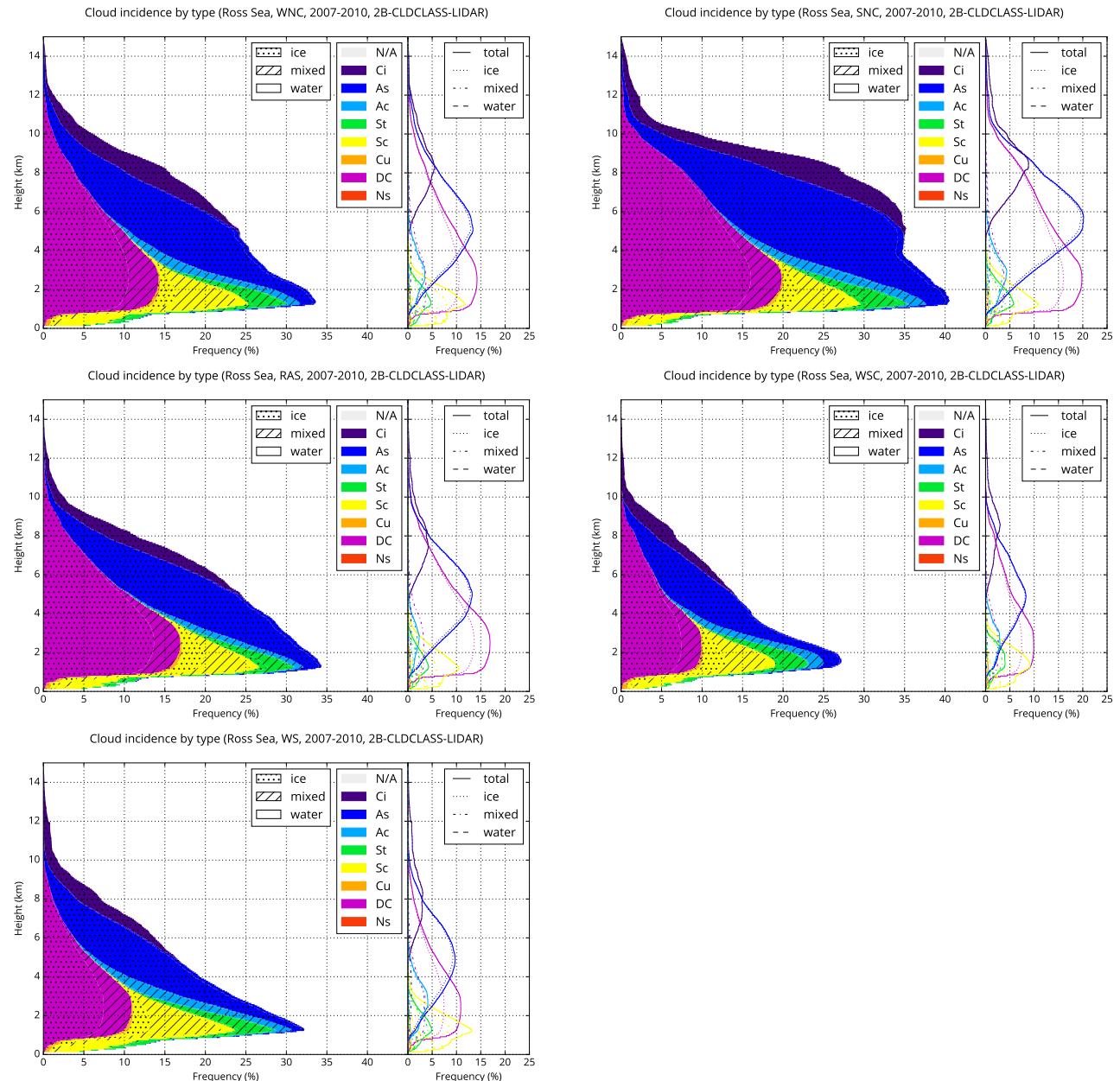
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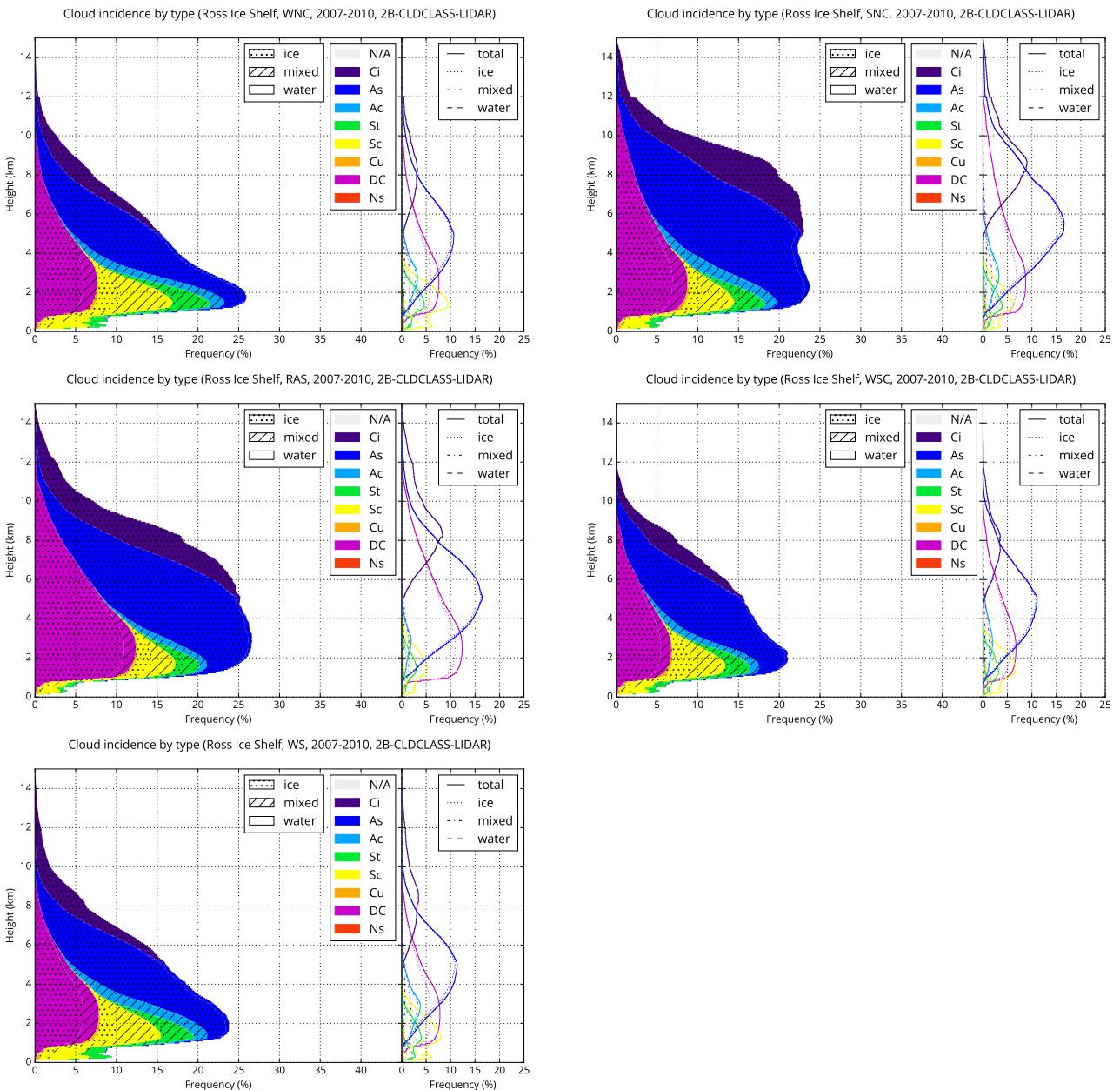
Cloud incidence by type and regime

2B-CLDCLASS-LIDAR

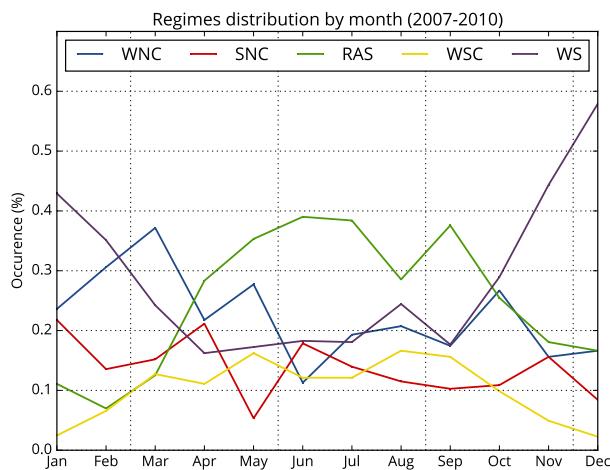
Ross Sea



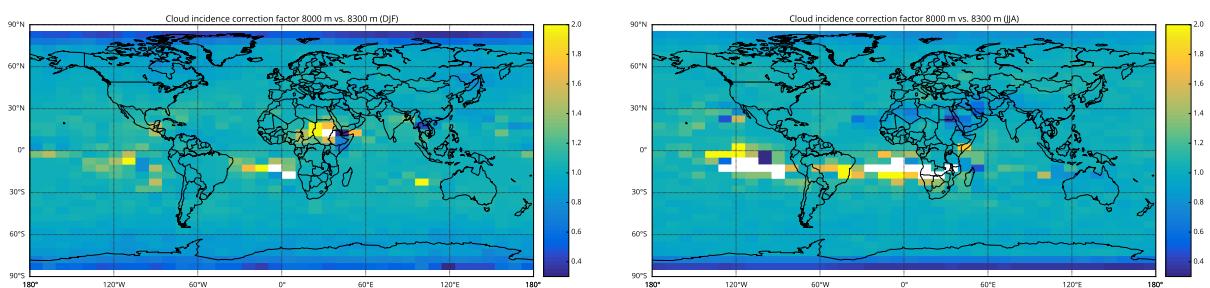
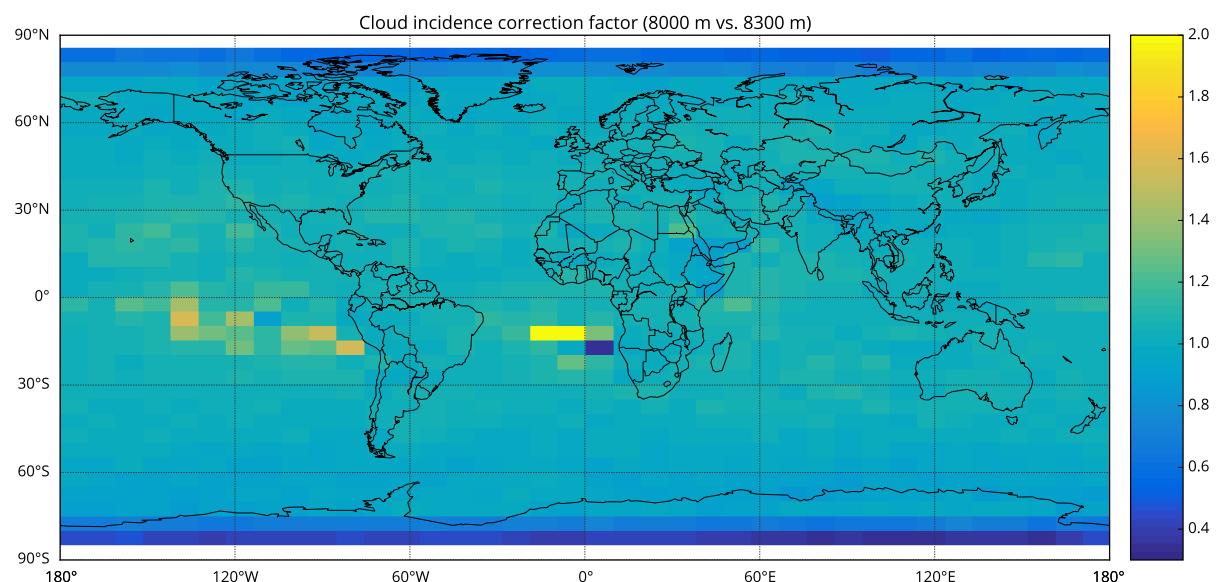
Ross Ice Shelf



Regimes distribution by month



Correction factor



Profile sample (Ross Sea)

