

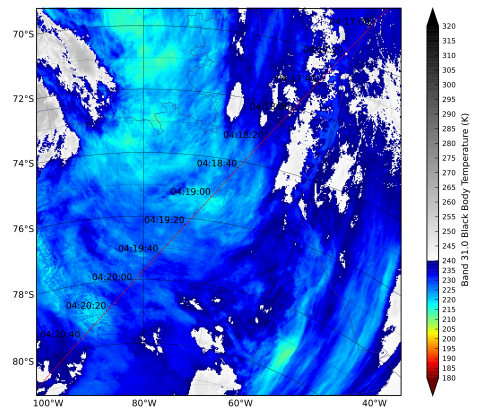
a, this case shows a track over Palmer Land at the base of Antarctic Peninsula during winter.

a)

MODIS Swath, CALIPSO Trajectory 2007-06-12T04:16:47Z/2007-06-12T04:21:13Z

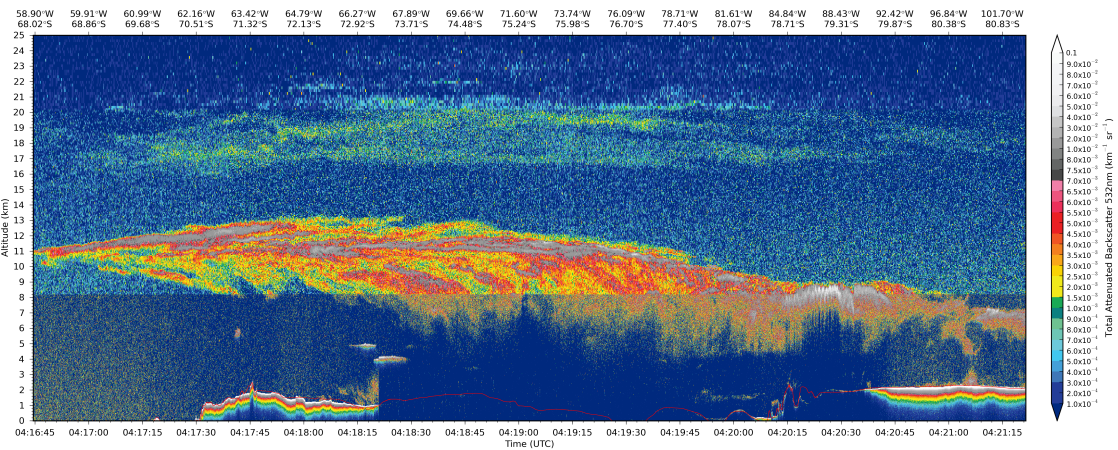
b, visible are two clouds, the larger one stretches up to about 13 km. It has a lower part as well, but it is only visible in the CloudSat profile, either because the attenuation by the overlying layers is too high, or because the lower part is composed of larger particles such as snow pellets. A much more faint second cloud is visible at 20km.

c, light scattered from both clouds is strongly polarised, which indicates ice-phase clouds, as we would expect in Antarctica in winter.



b)

CALIPSO Profile 2007-06-12T04:16:44Z/2007-06-12T04:21:21Z



c)

CALIPSO Profile 2007-06-12T04:16:44Z/2007-06-12T04:21:21Z

