

ACLOUD and SID-3/PHIPS package - What we have learned so far?



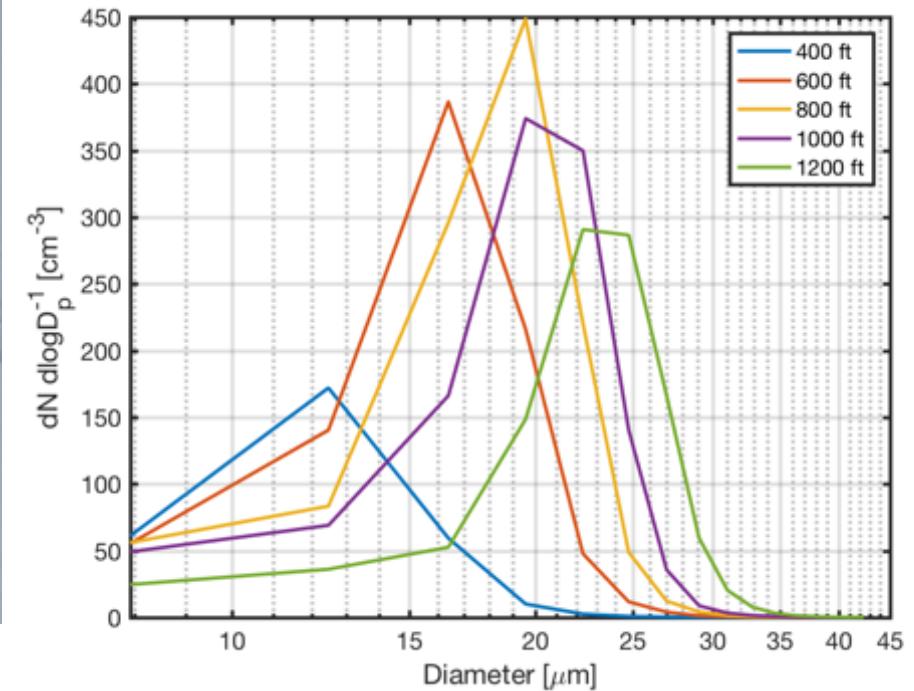
Vertical Cloud Structure over Sea Ice

Flight on 4.6.2017

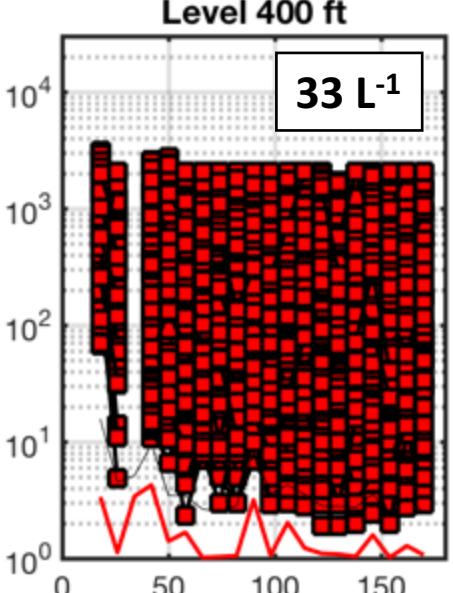
Cloud profile at 5 different altitudes



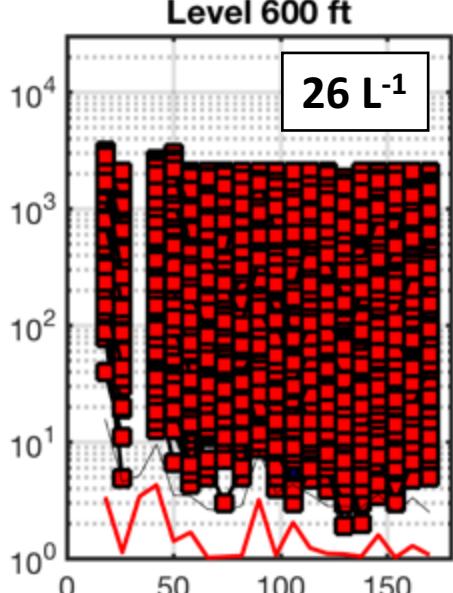
Ice found at -3°C



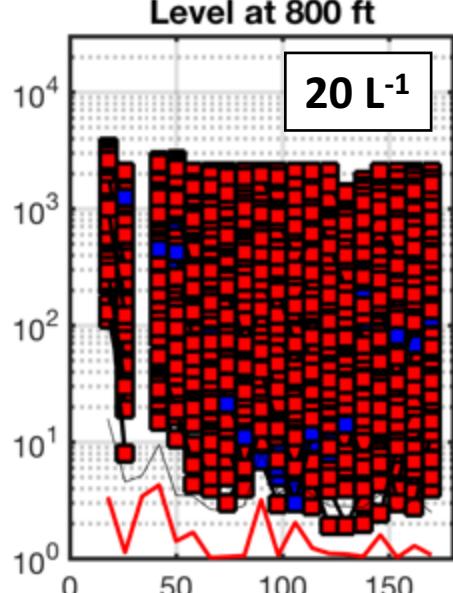
Level 400 ft



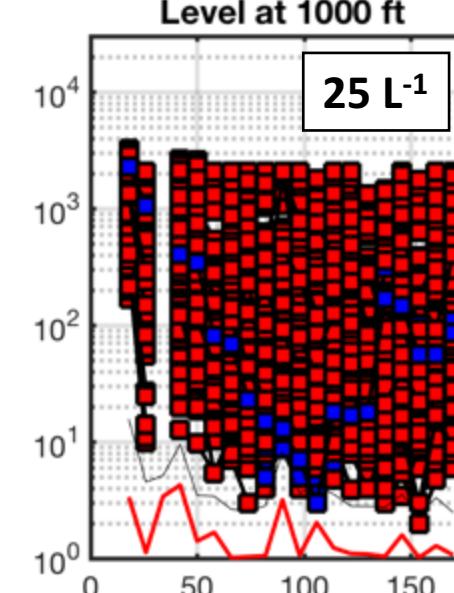
Level 600 ft



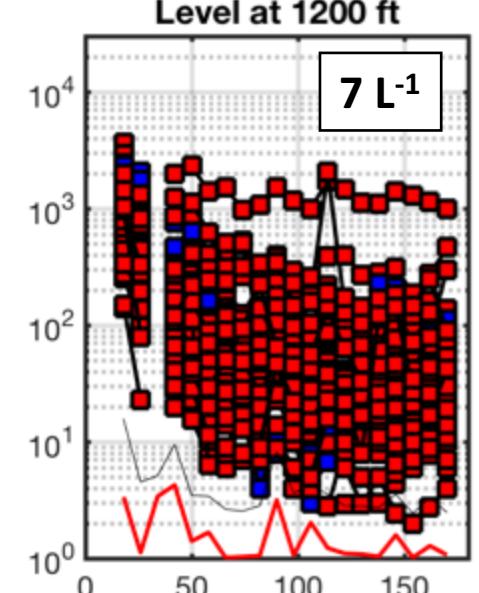
Level at 800 ft

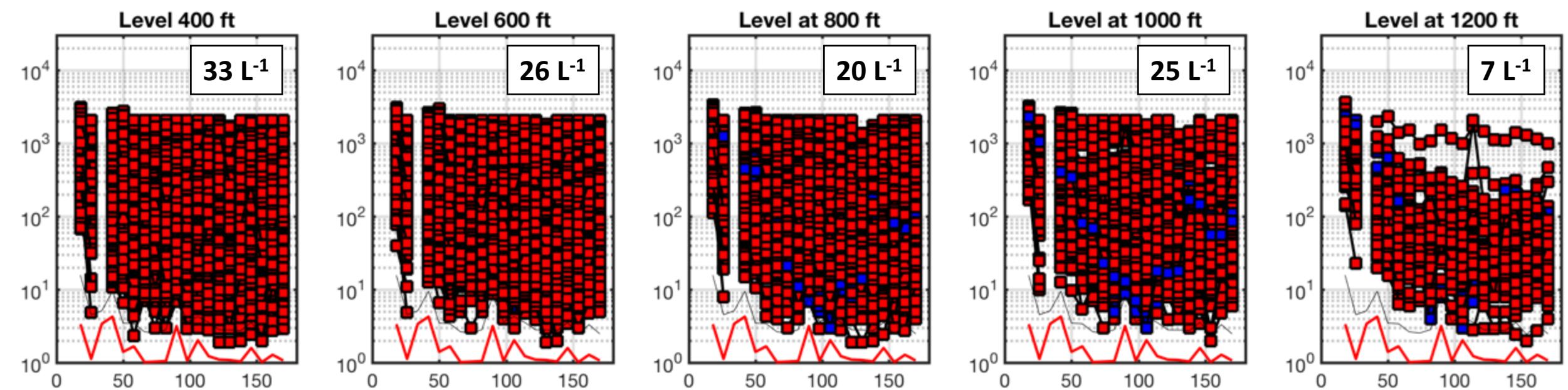
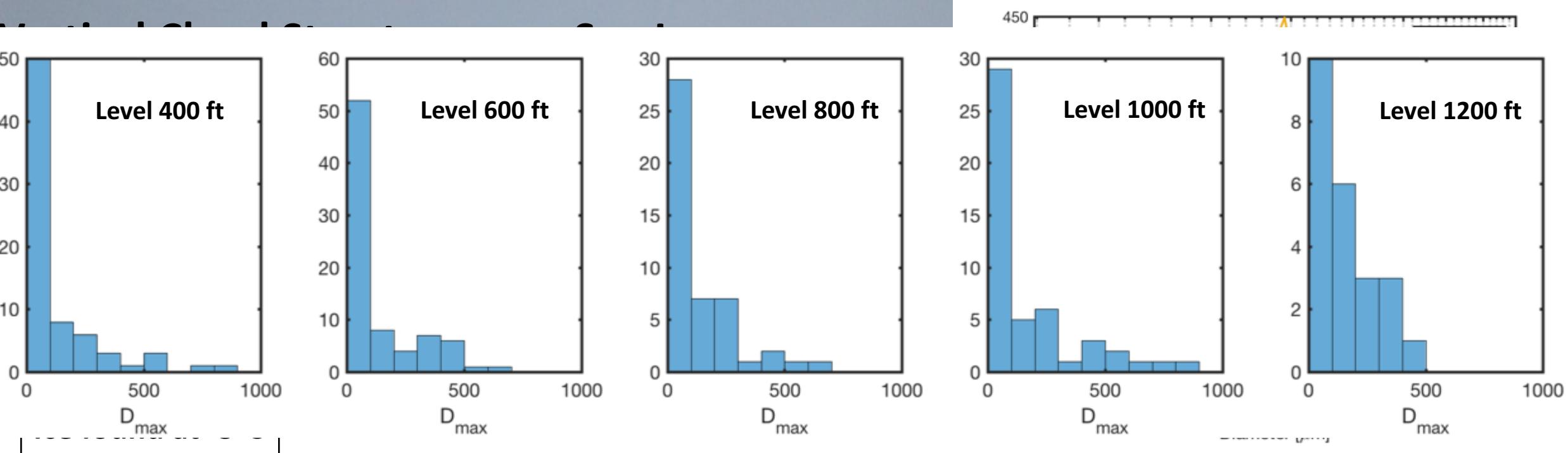


Level at 1000 ft



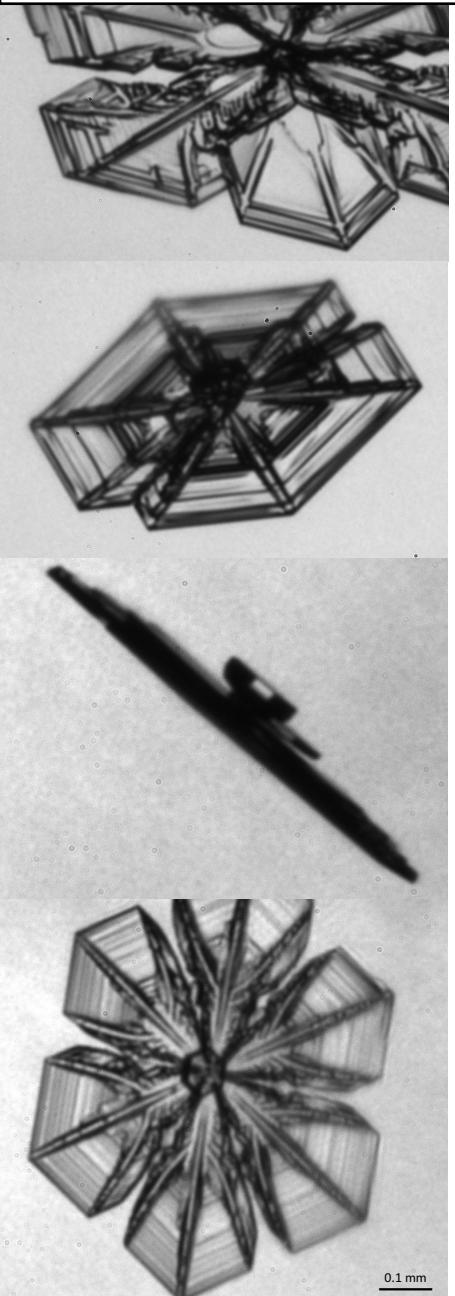
Level at 1200 ft



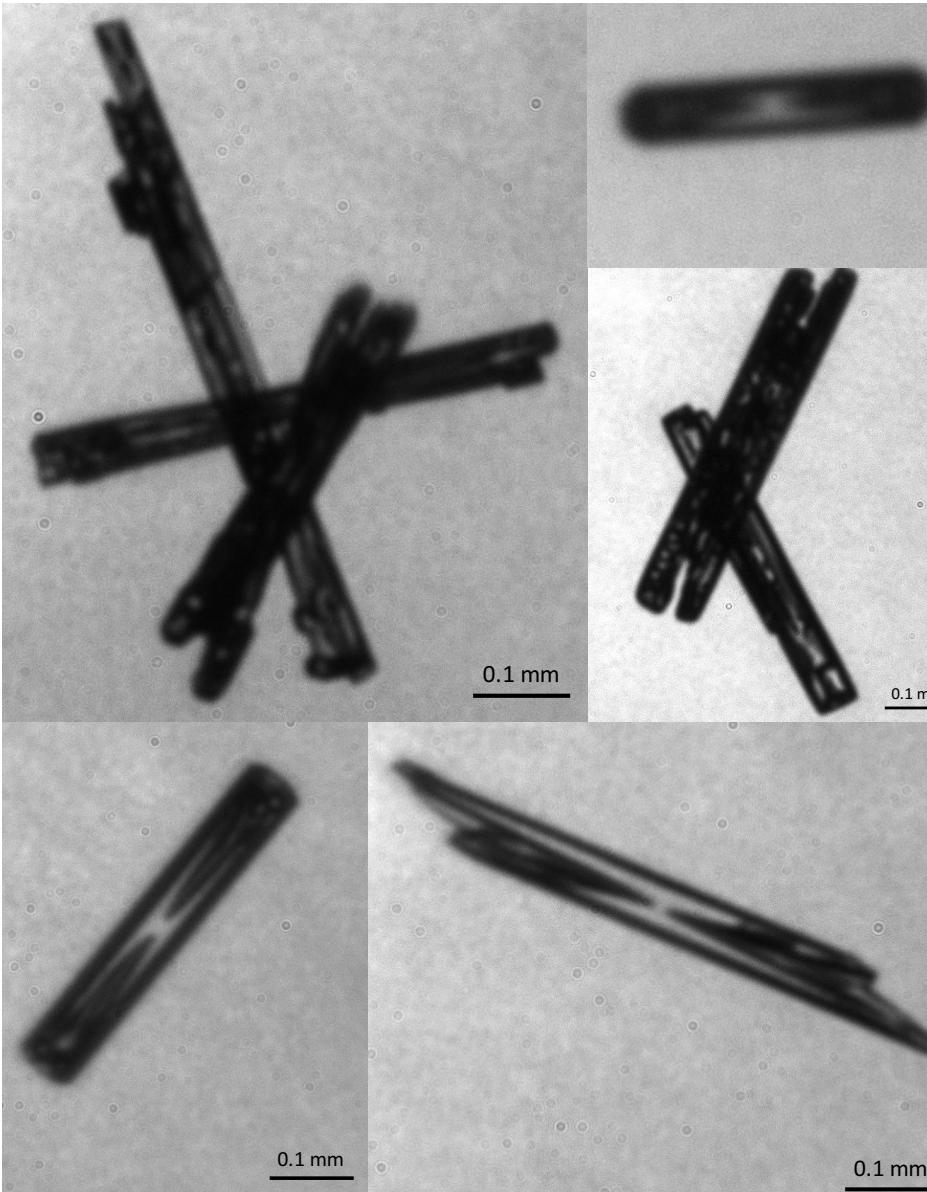


Flight on 27.5.2017

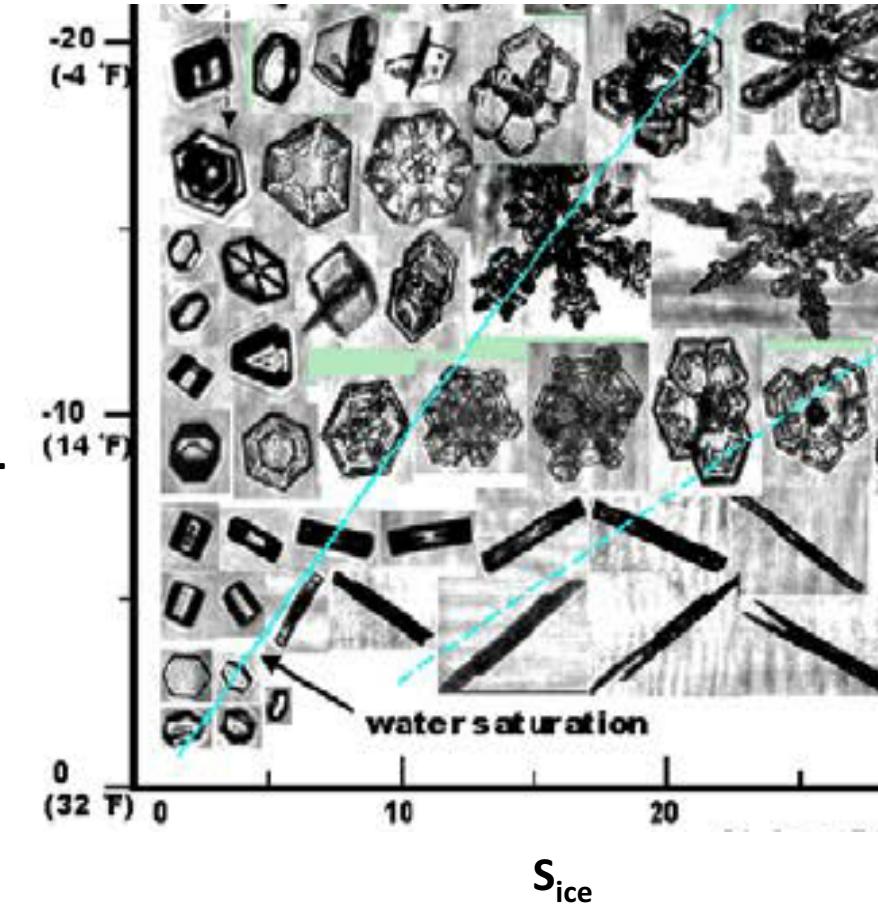
T varied between -10 and -14°C



Flight on 2.6.2017
T around -3°C



Temperature



Mitchel et al. 2011

modified from Bailey and Hallett (2009)