

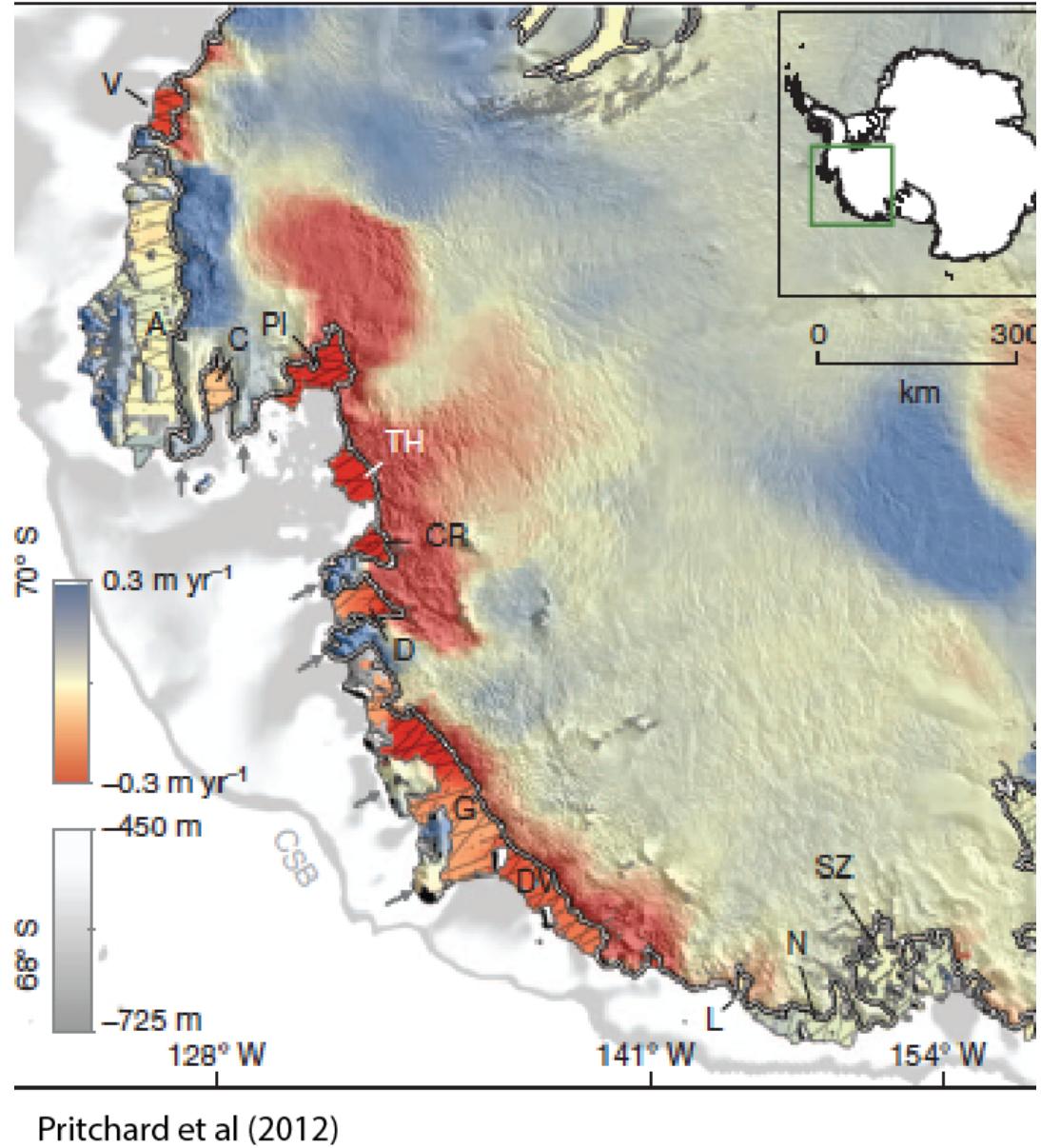
# Bathymetry beneath the Abbot Ice Shelf from IceBridge gravity data: Implications for ocean-ice interactions

James R. Cochran, Stanley S. Jacobs, Kirsty J. Tinto  
and Robin E. Bell

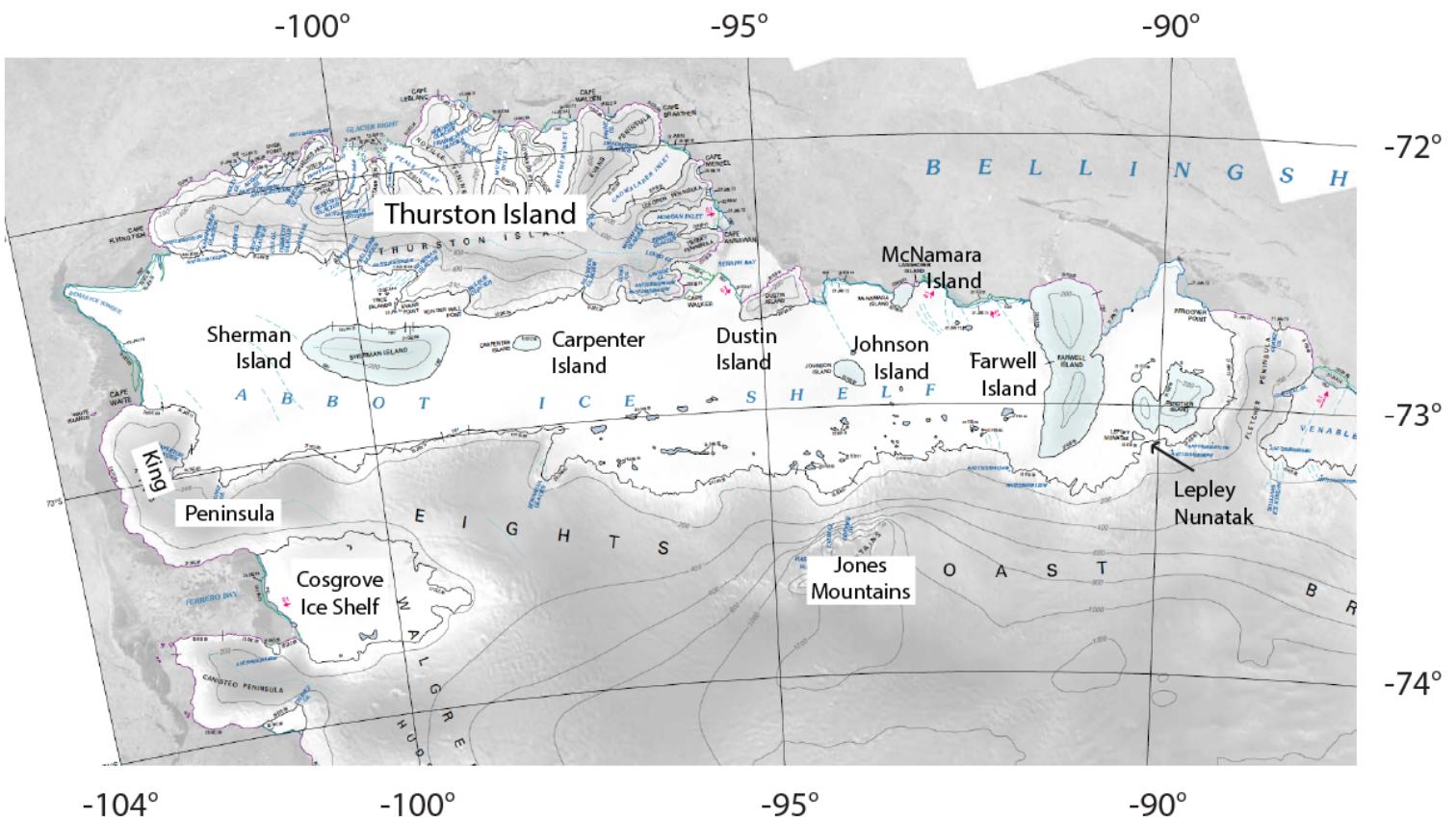
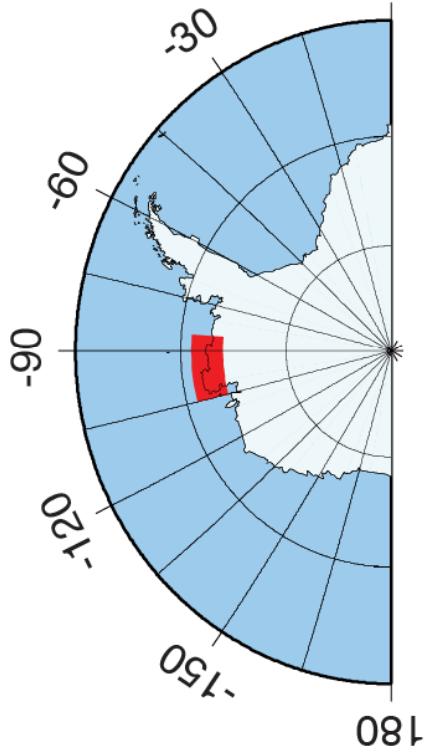


Surface  $\Delta h/\Delta t$ , 2003-2008  
Pritchard et al (2012)

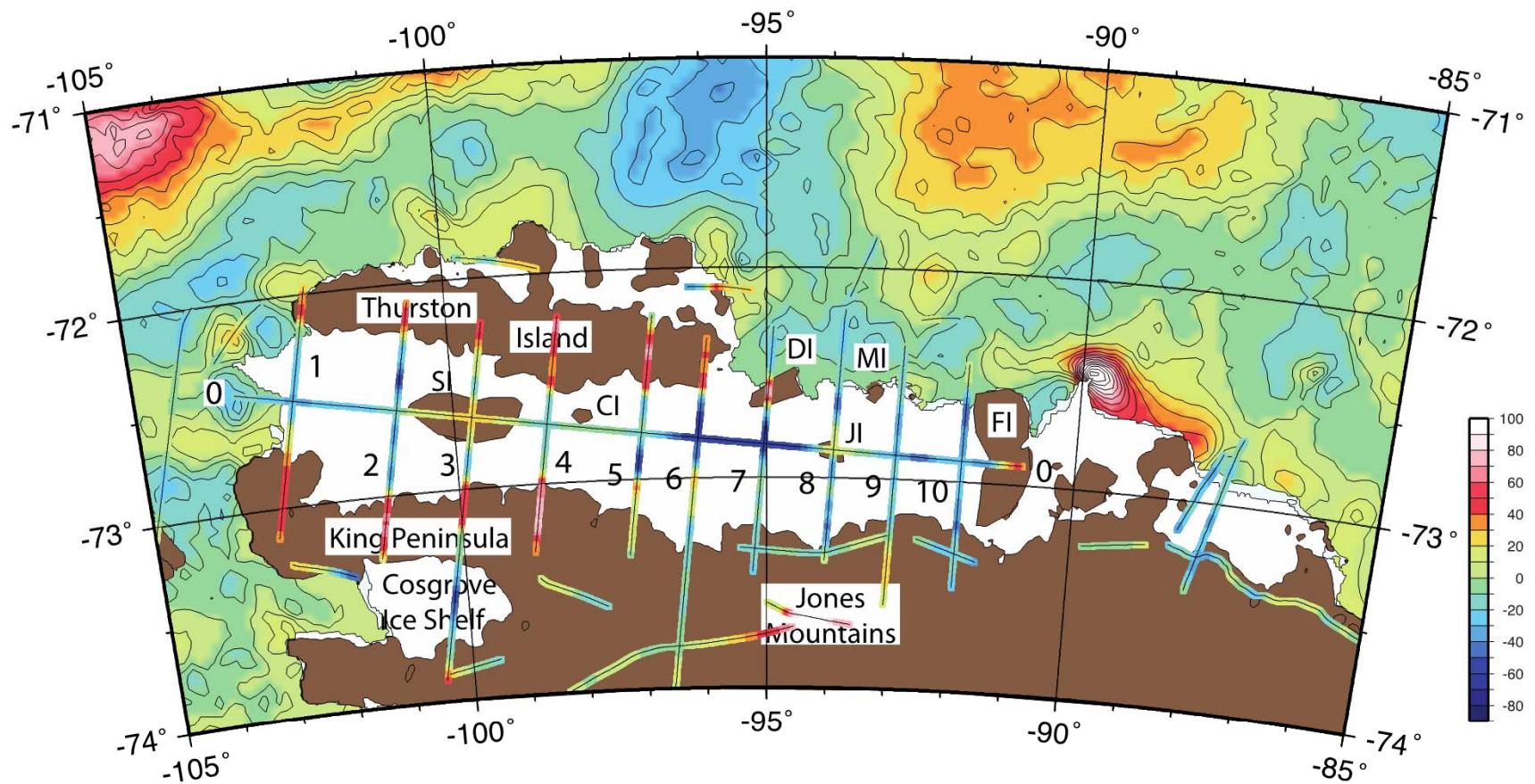
Abbot Ice Shelf stands out among West Antarctic ice shelves by having a near-zero surface elevation/ice thickness change.



Pritchard et al (2012)

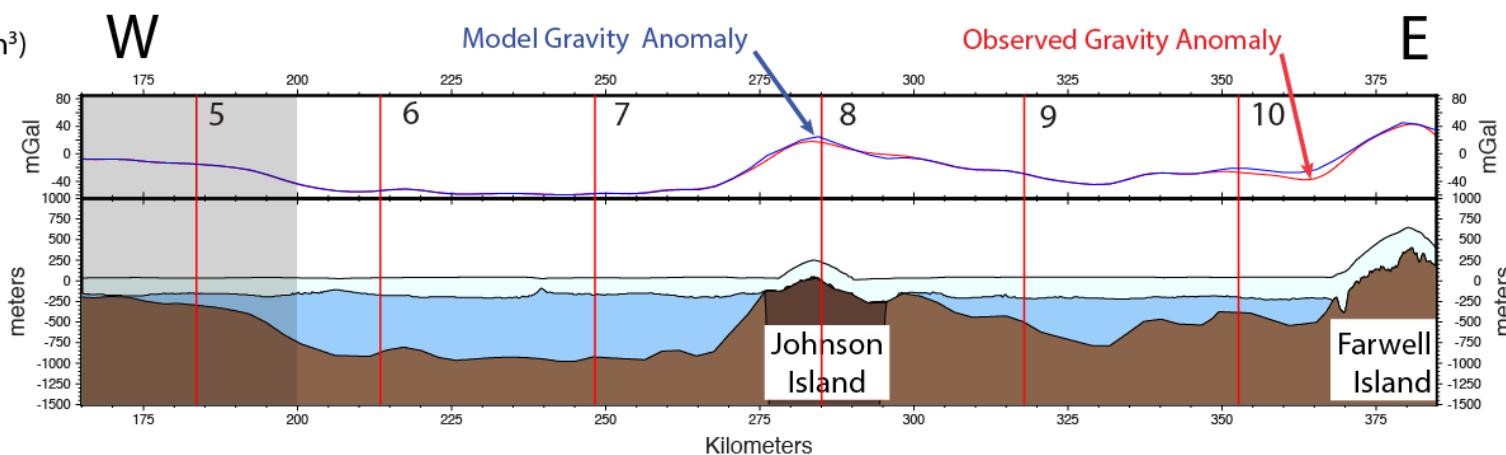
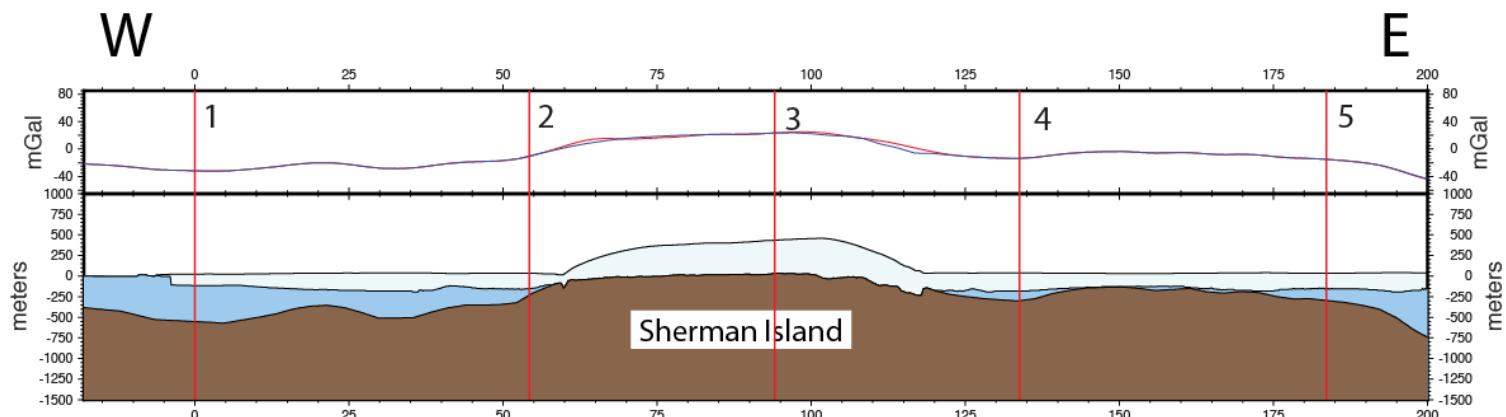


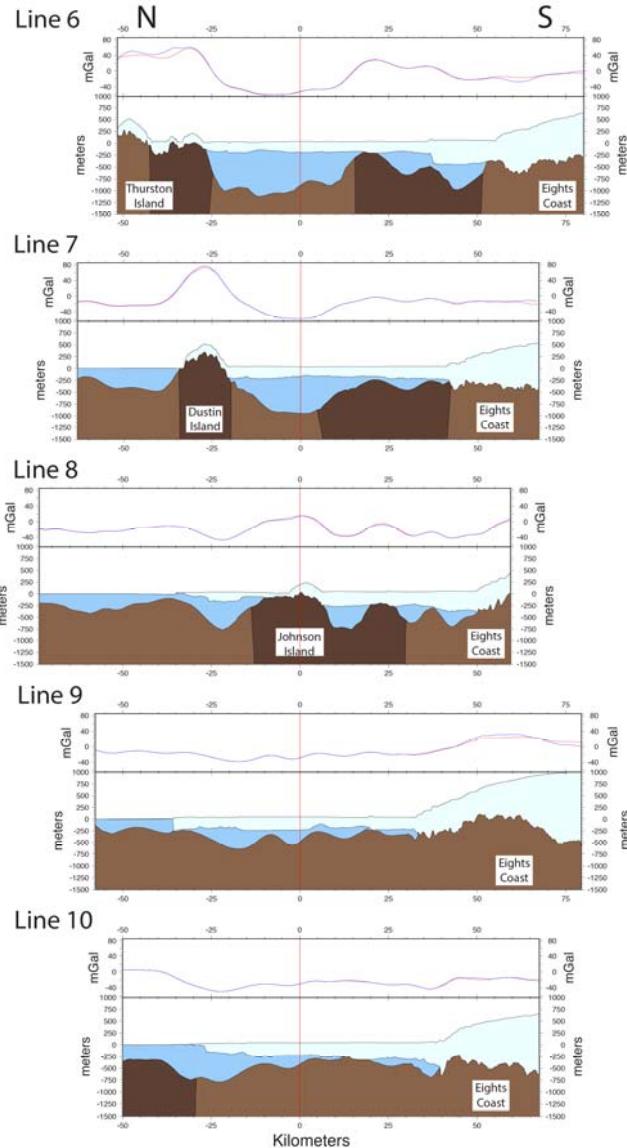
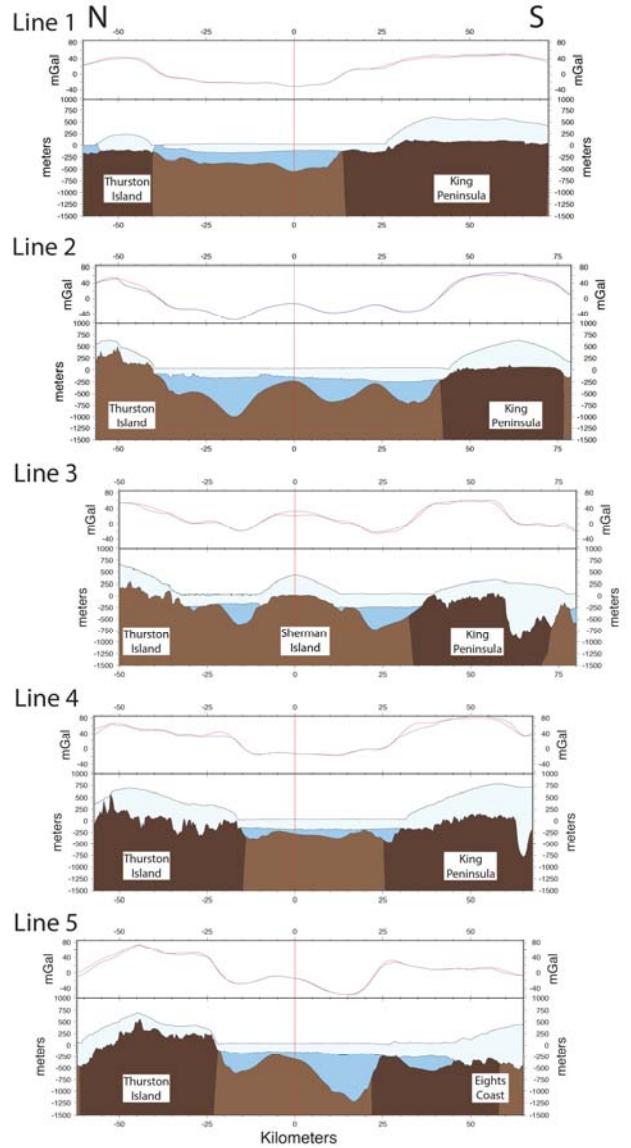
Swithinbank et al. (2004)

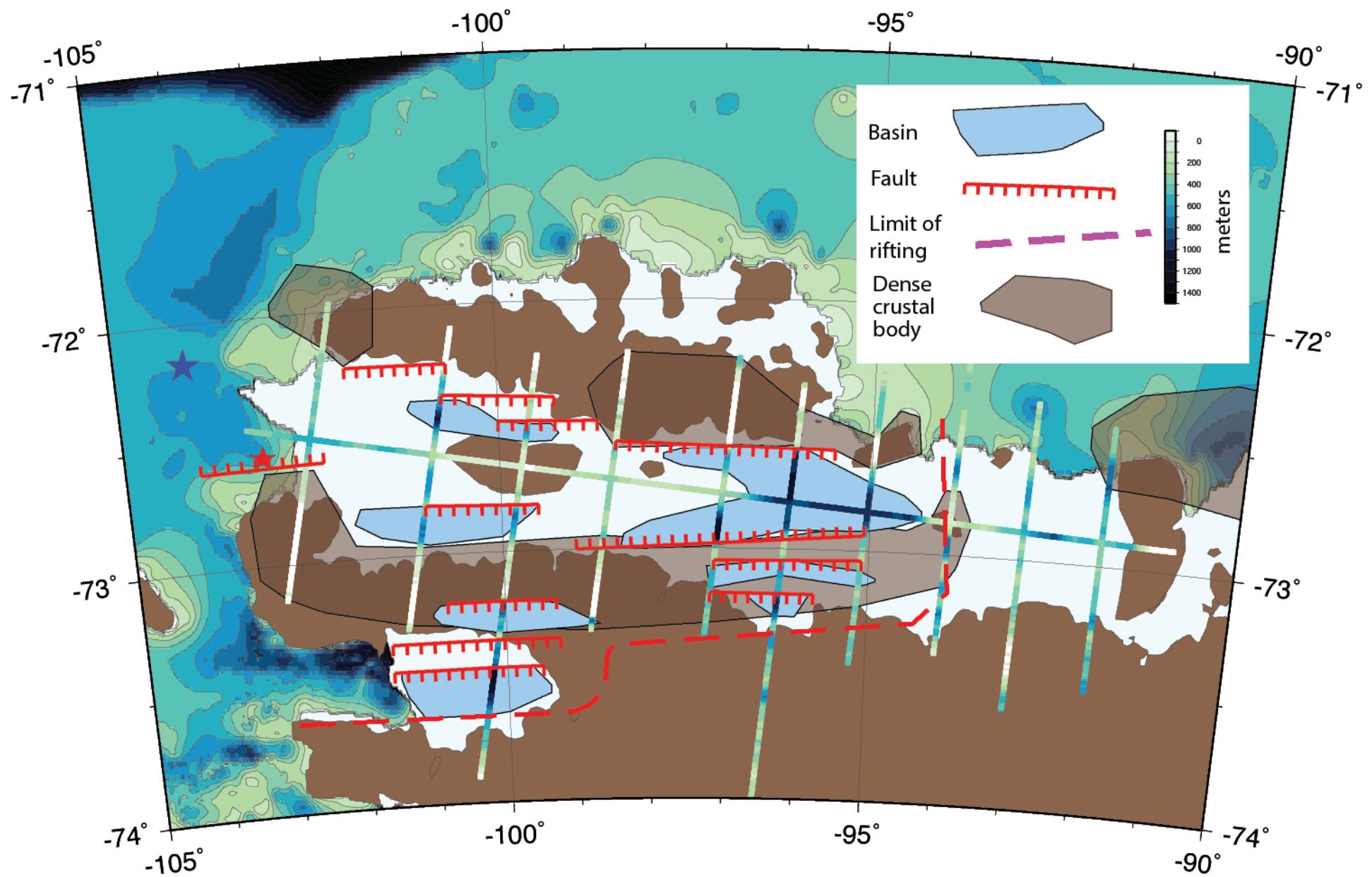


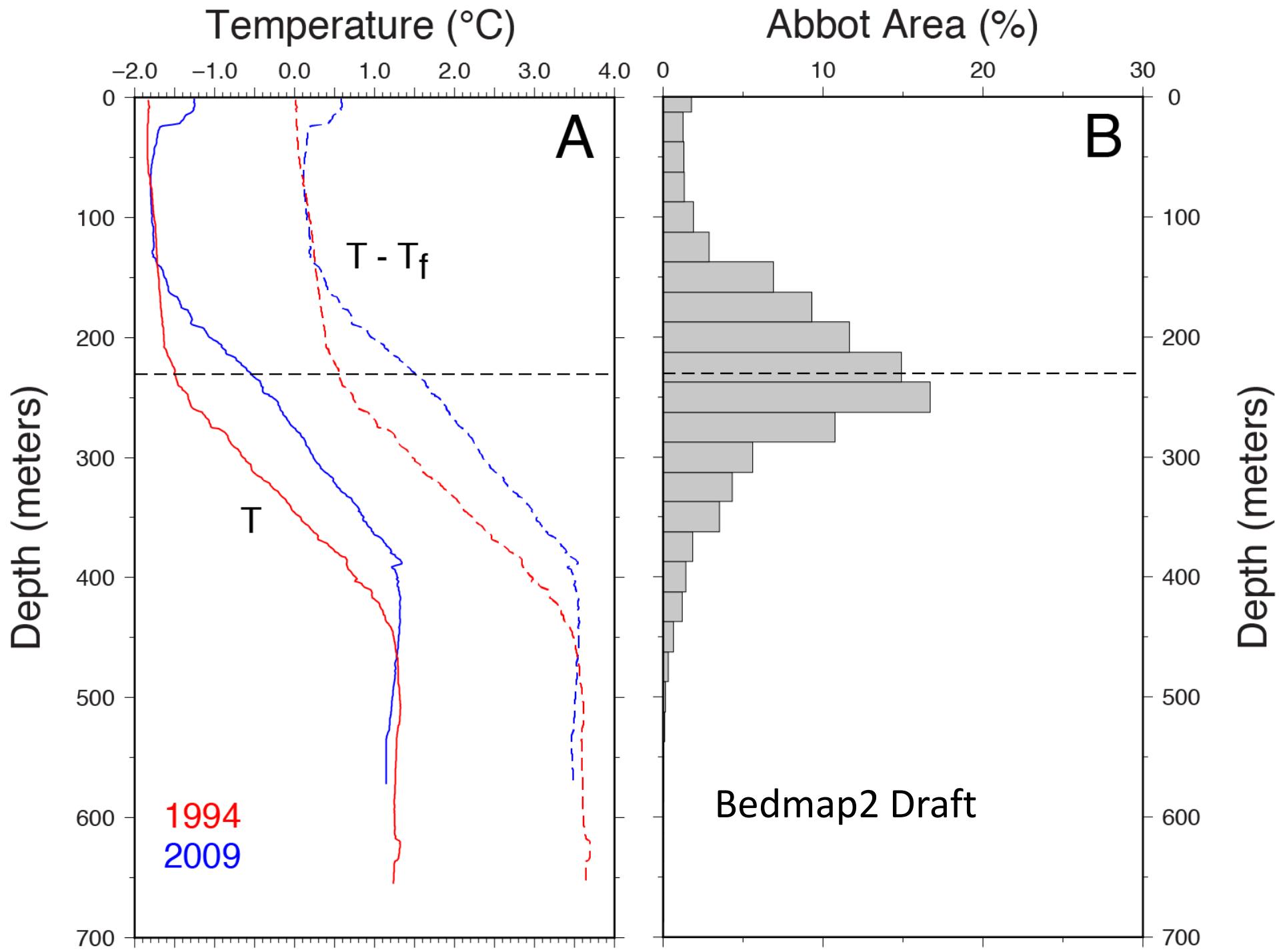
## Line 0

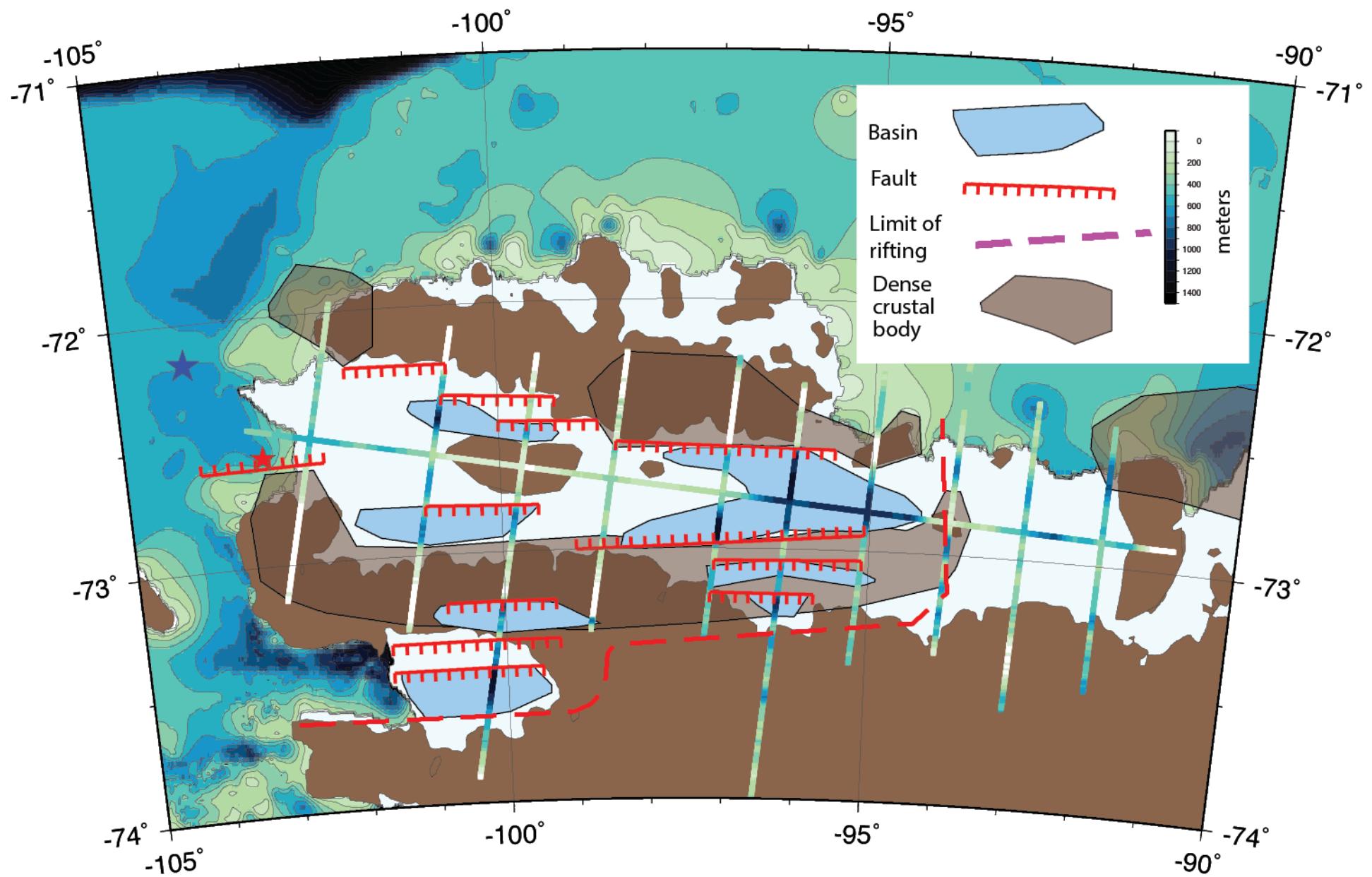
- Ice ( $0.915 \text{ gm/cm}^3$ )
- Water ( $1.03 \text{ gm/cm}^3$ )
- Rock ( $2.70 \text{ gm/cm}^3$ )
- Dense Rock ( $2.85 \text{ gm/cm}^3$ )

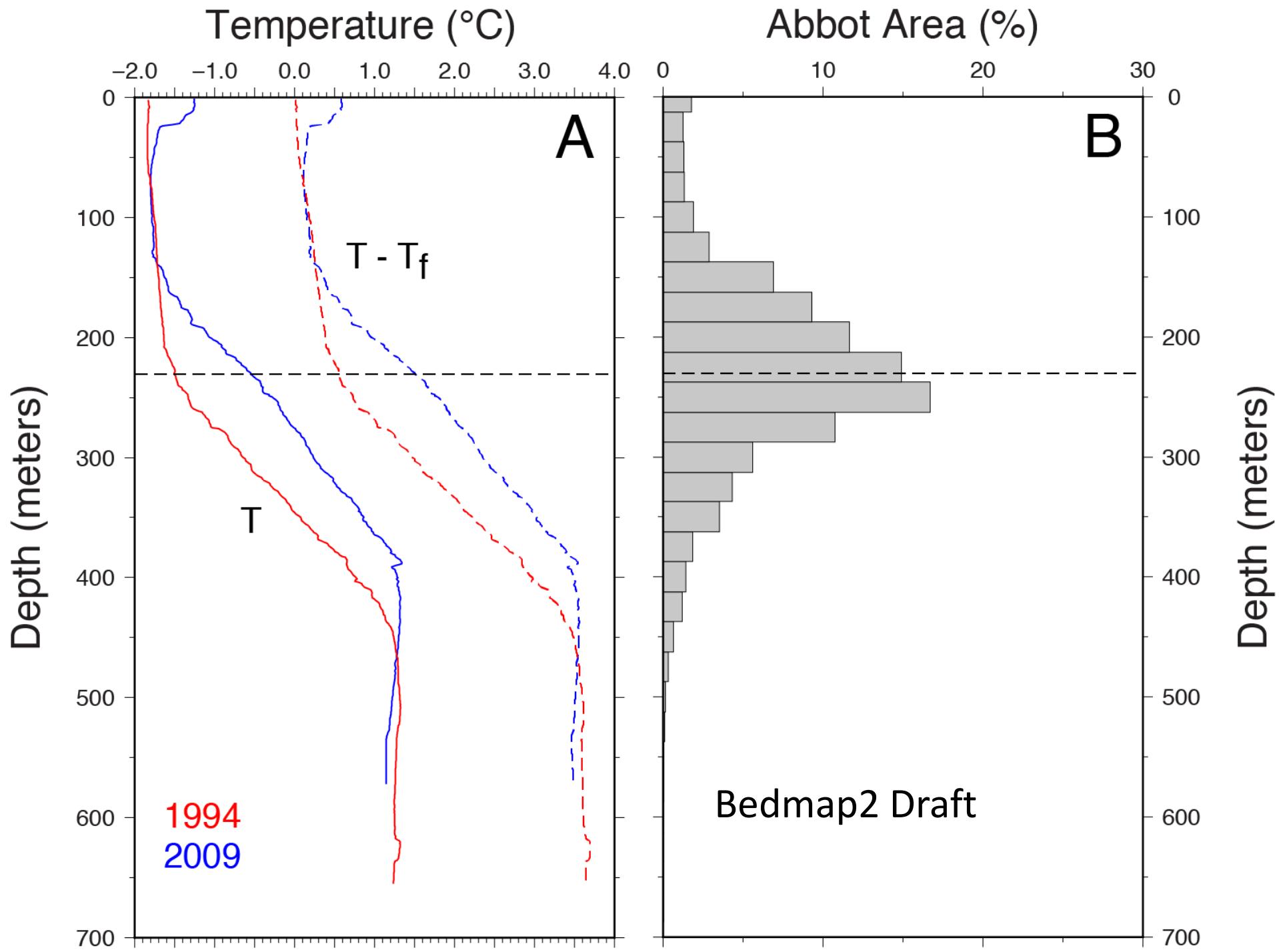




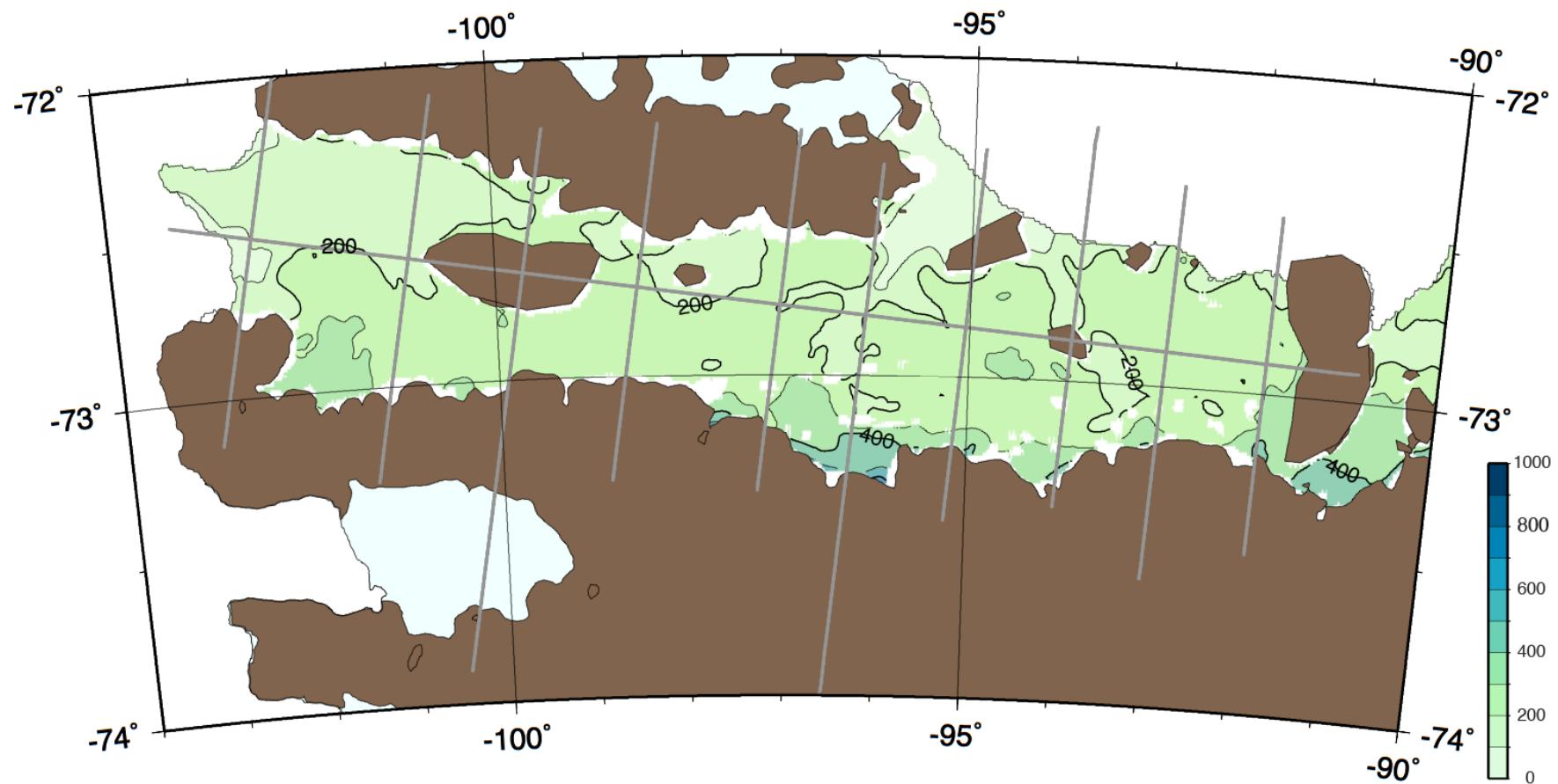




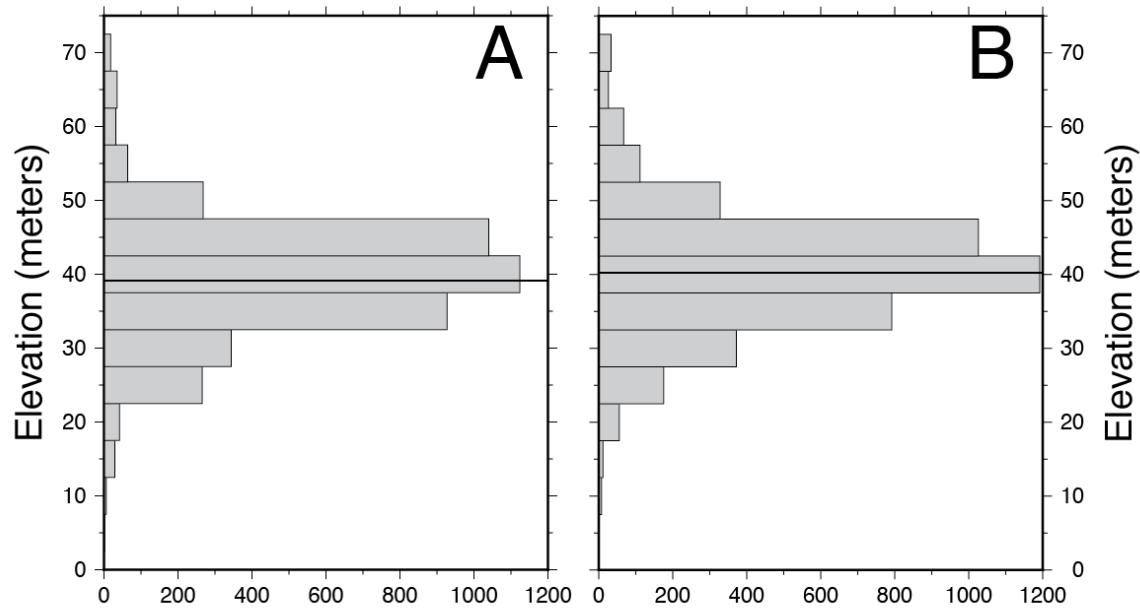




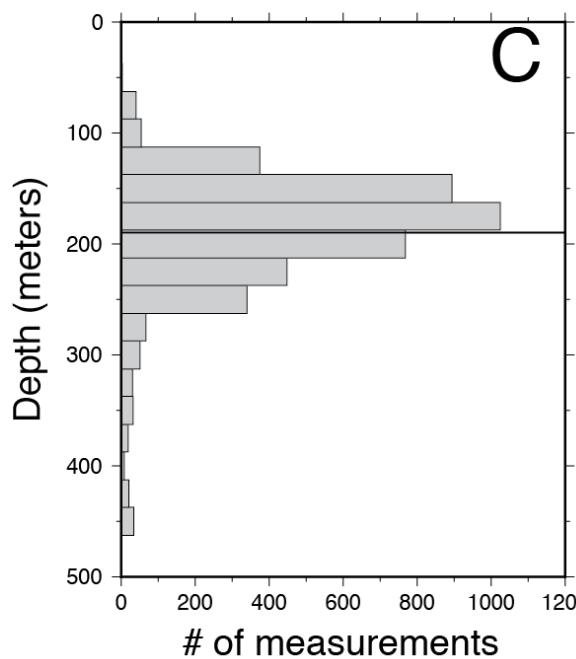
# Bedmap2 Ice Draft



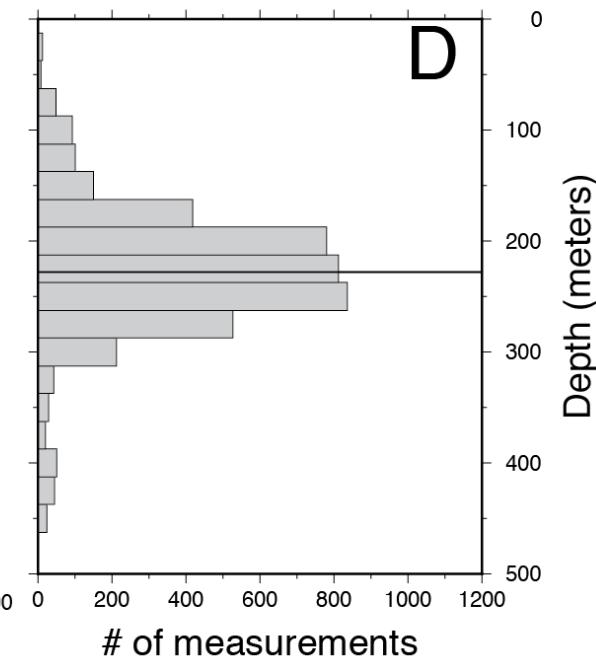
## OIB Elevation BM2 sampled Elevation

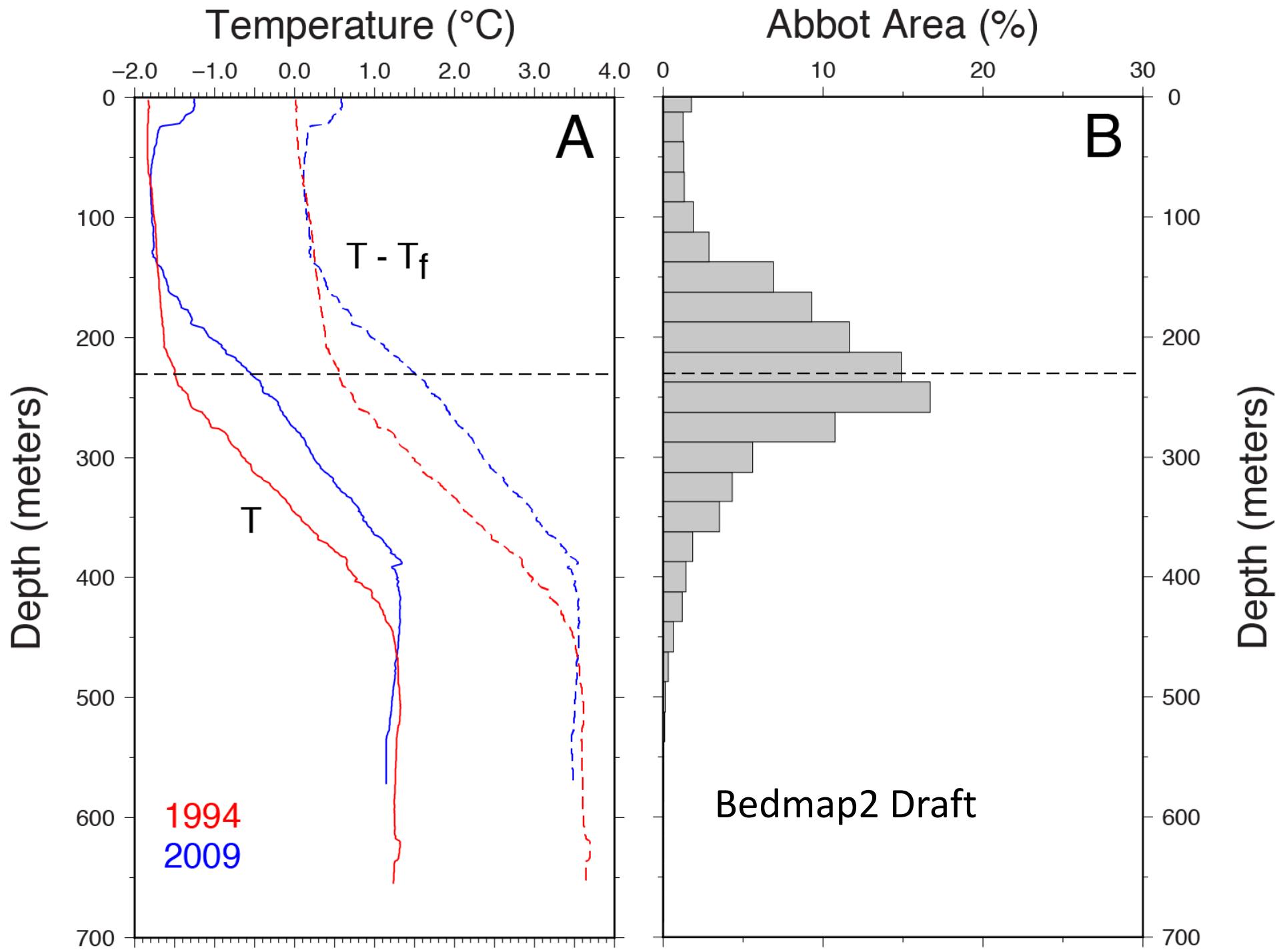


## OIB Draft

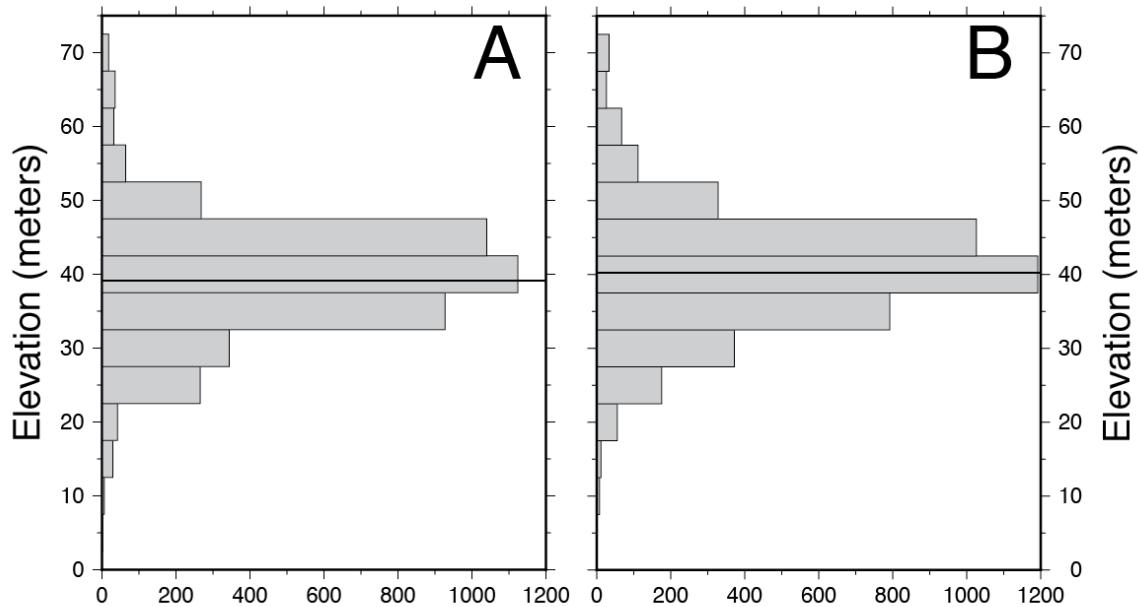


## BM2 sampled Draft

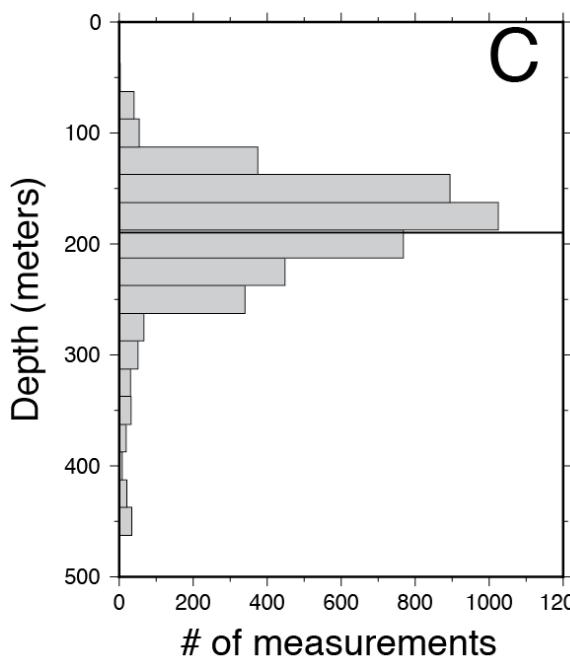




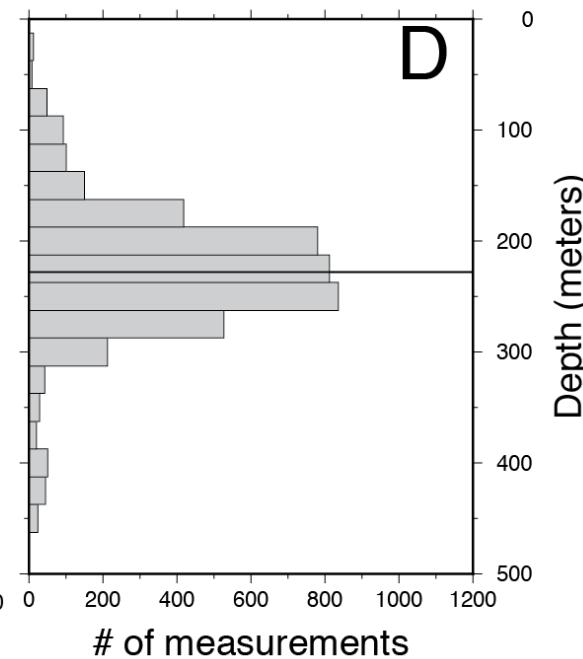
## OIB Elevation BM2 sampled Elevation



## OIB Draft



## BM2 sampled Draft



# Bedmap2 Ice Draft

