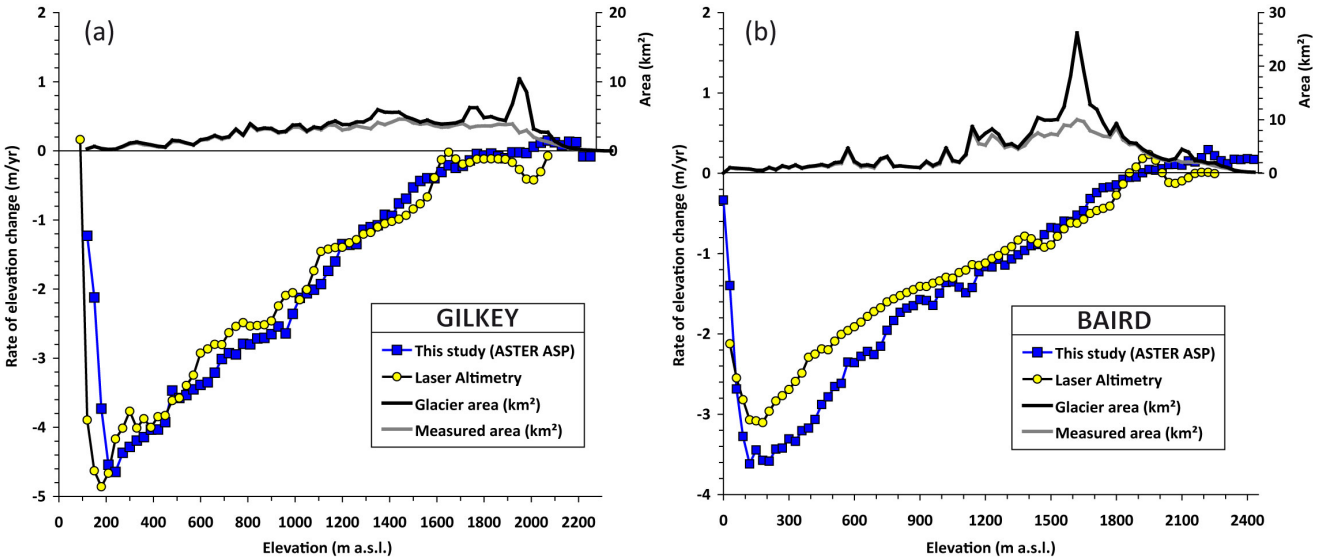
Supplement



Supplementary Figure S1: Rates of elevation change vs. elevation for (a) Gilkey Glacier (Juneau Icefield) and (b) Baird Glacier (Stikine Icefield) measured from ASTER DEMs (blue curve, 2000-2016) and airborne laser altimetry data (2007-2012 for Gilkey and 1996-2013 for Stikine). The upper curve (right Y-axis) show the total area altitude distribution (black) and the glacier area effectively sampled using in the ASTER$_{dh/dt}$ (grey).