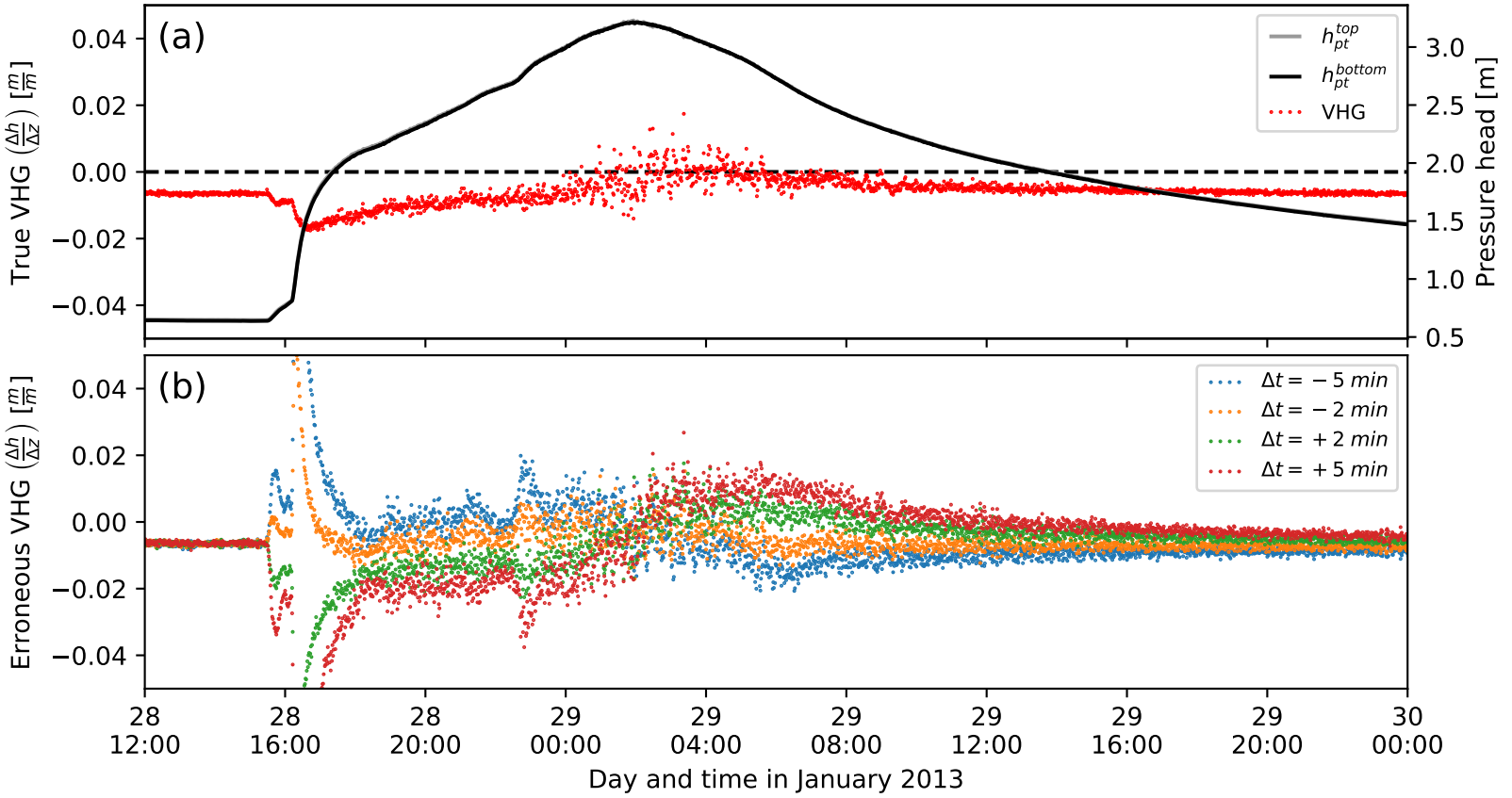
(a)
(b)
True VHG $\left(\frac{\Delta h}{\Delta z}\right)$ $\left[\frac{m}{m}\right]$
Erroneous VHG $\left(\frac{\Delta h}{\Delta z}\right)$ $\left[\frac{m}{m}\right]$
Pressure head [m]
h_{pt}^{top}
h_{pt}^{bottom}
VHG
$\Delta t = -5\ min$
$\Delta t = -2\ min$
$\Delta t = +2\ min$
$\Delta t = +5\ min$
0.04
0.02
0.00
−0.02
−0.04
3.0
2.5
2.0
1.5
1.0
0.5
28 12:00
28 16:00
28 20:00
29 00:00
29 04:00
29 08:00
29 12:00
29 16:00
29 20:00
30 00:00
Day and time in January 2013