Supporting Information

for

Oxidation of Levitated Droplets of 1-Allyl-3-Methylimidazolium Dicyanamide by Nitrogen Dioxide

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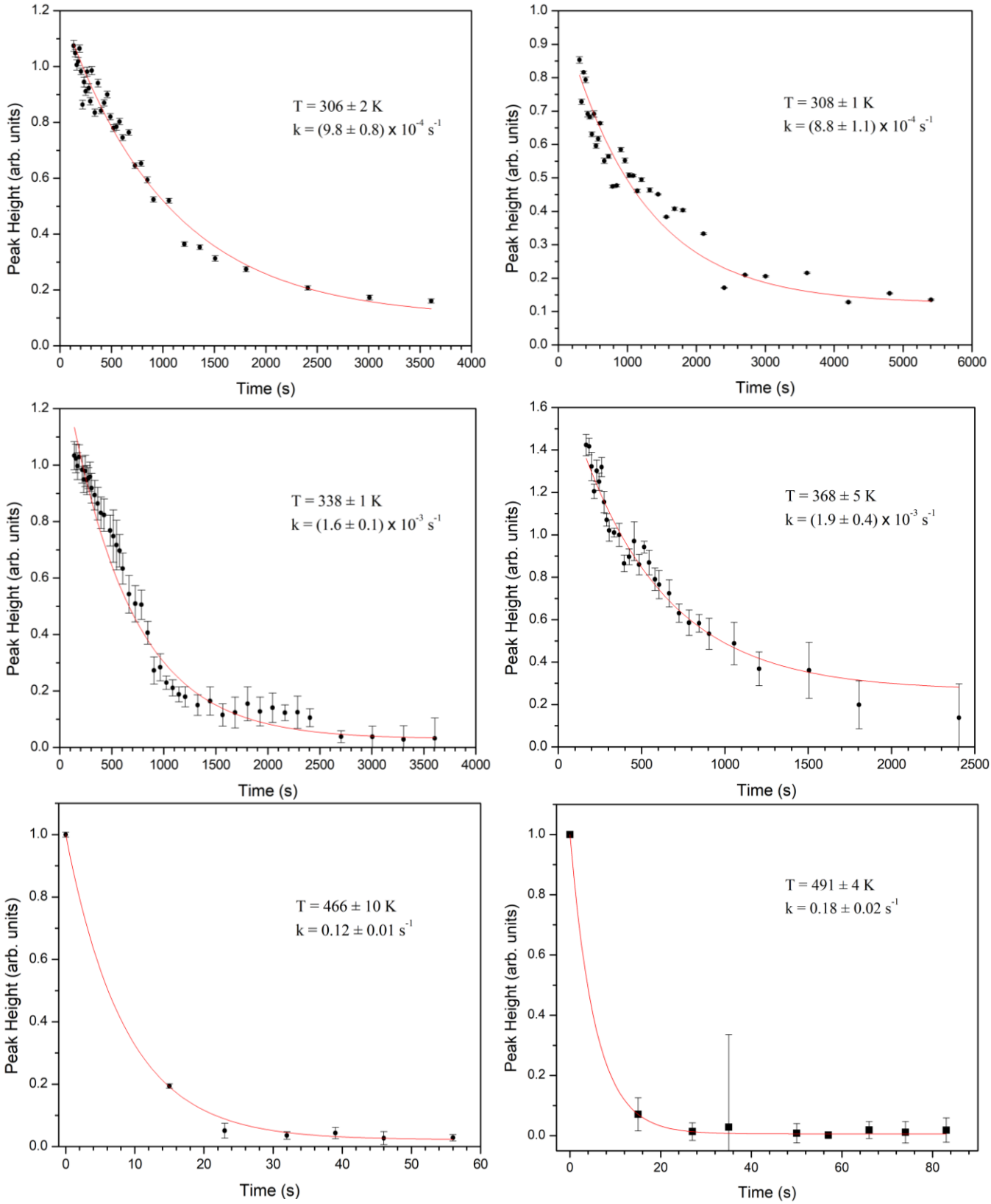

Figure S1. Decay profiles versus time of peak (a) at 2182 cm^{-1} used to obtain the reaction rate of an [AMIM][DCA] droplet levitated in 0.4% nitrogen dioxide and 99.6% argon at various temperatures.

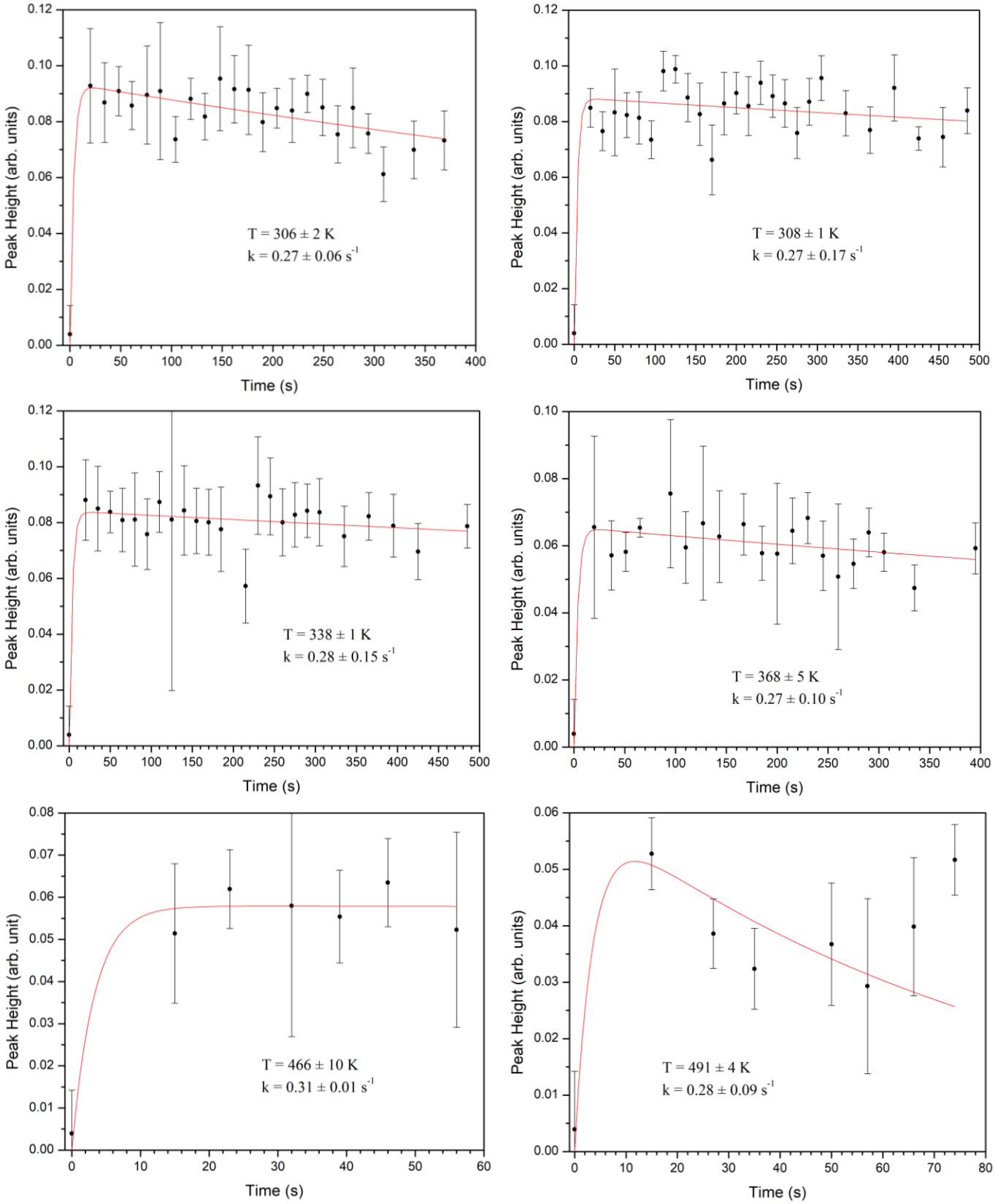

Figure S2. Growth profiles versus time for the new peak (b) at 1115 cm^{-1} used to obtain the reaction rate of an [AMIM][DCA] droplet levitated in 0.4% nitrogen dioxide and 99.6% argon at various temperatures.

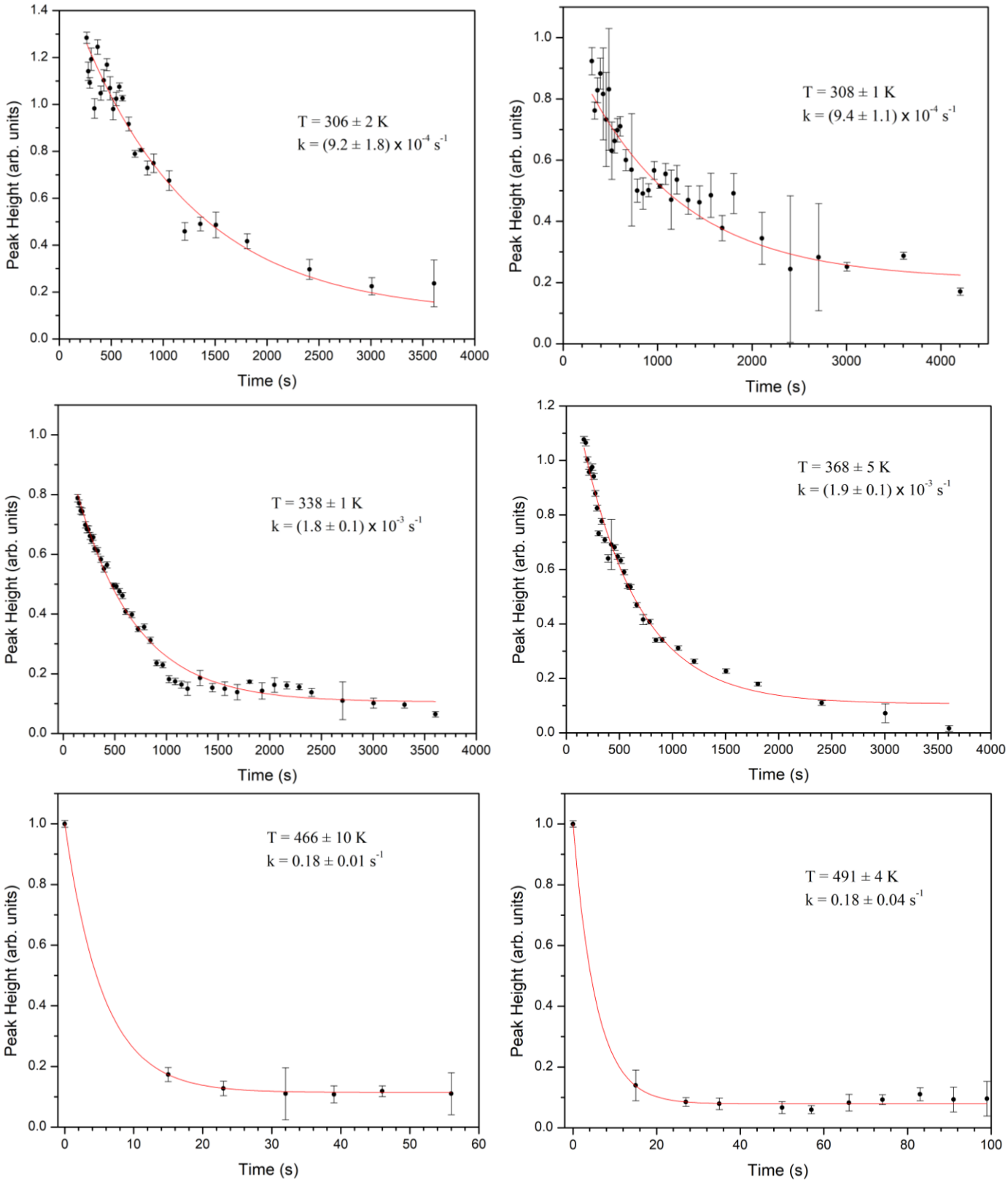

Figure S3. Decay profiles versus time for peak (c) at 1015 cm^{-1} used to obtain the rate constants at various temperatures of an [AMIM][DCA] droplet levitated in 0.4% nitrogen dioxide and 99.6% argon.

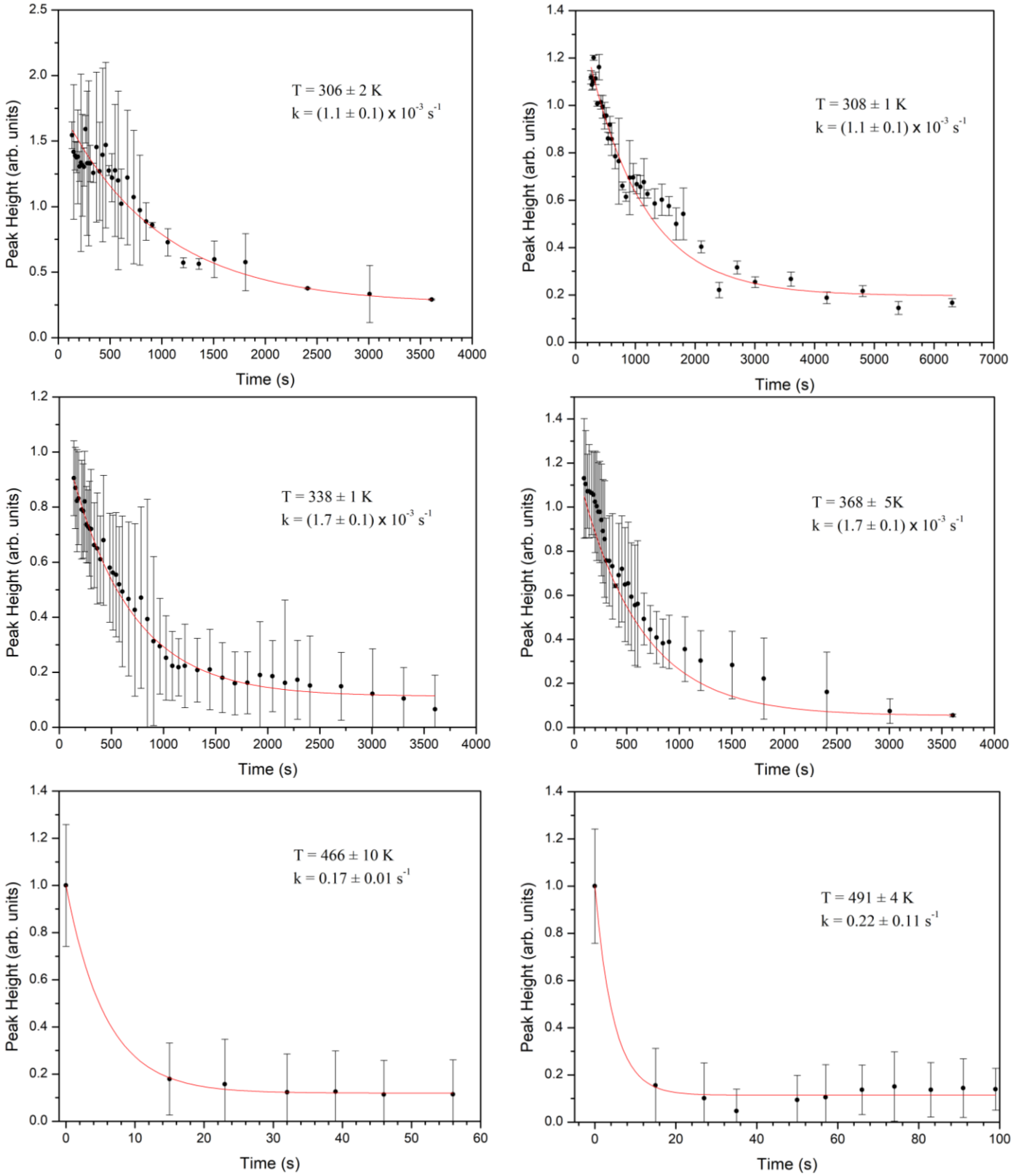

Figure S4. Decay profiles versus time for peak (d) at 664 cm^{-1} used to obtain the rate constants at various temperatures of an [AMIM][DCA] droplet levitated in 0.4% nitrogen dioxide and 99.6% argon.