

Figure S1: Example negative ion number size distributions on days sampled from the GR_{2-3}^- distribution's signal part.

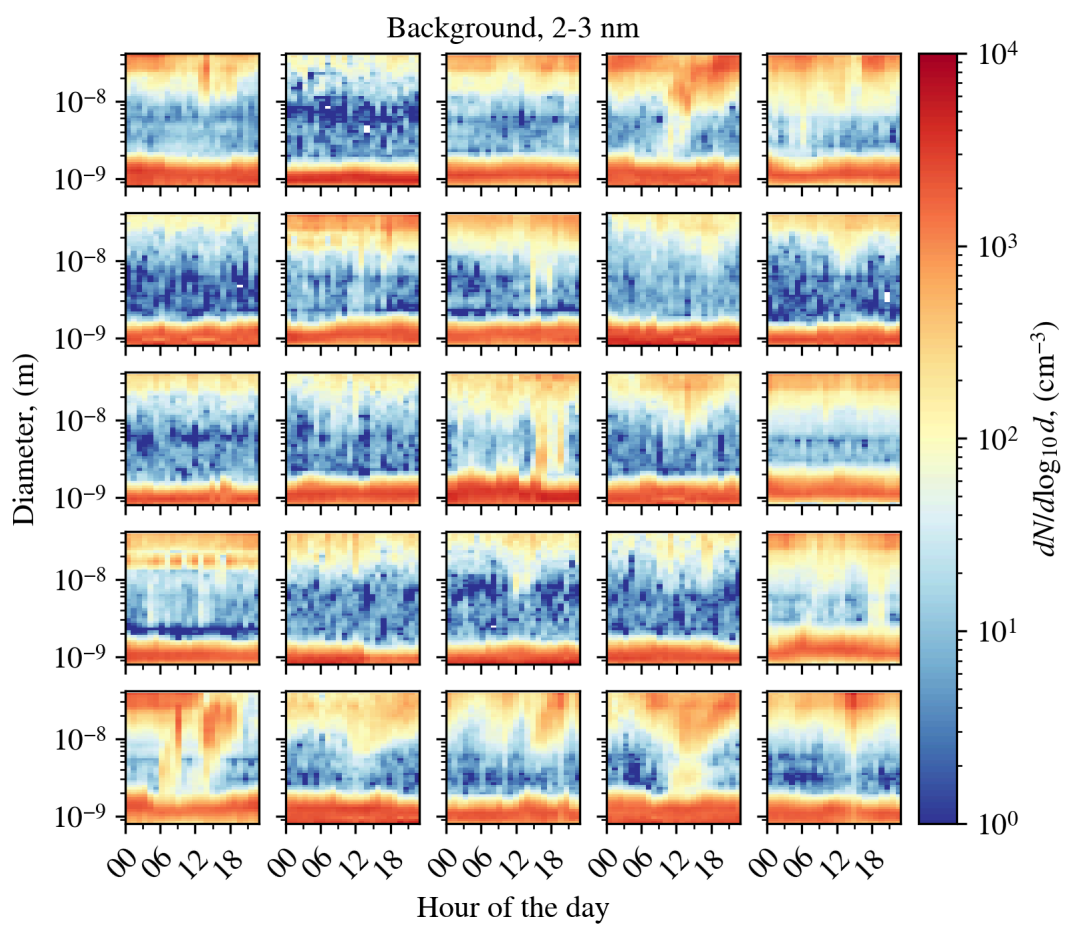


Figure S2: Example negative ion number size distributions on days sampled from the GR_{2-3}^- distribution's background part.

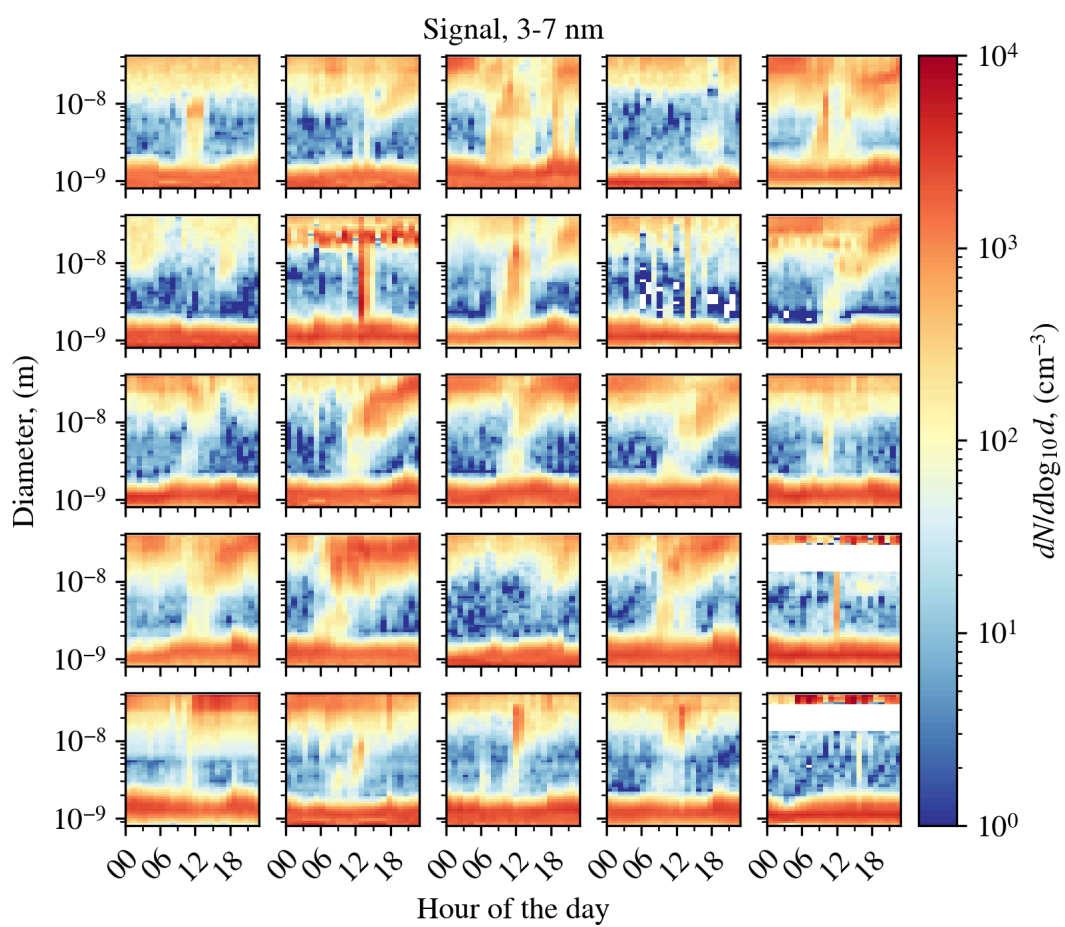


Figure S3: Example negative ion number size distributions on days sampled from the GR_{3-7}^- distribution's signal part.

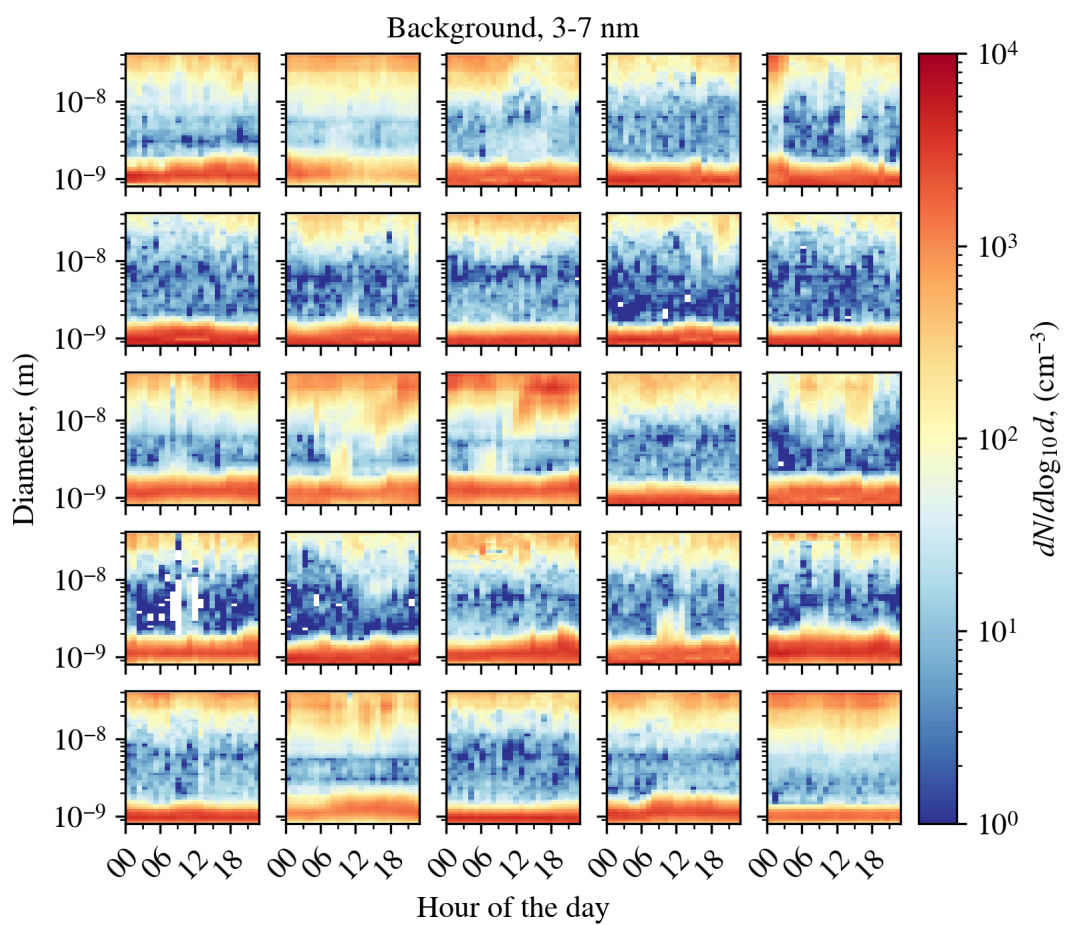


Figure S4: Example negative ion number size distributions on days sampled from the GR_{3-7}^- distribution's background part.