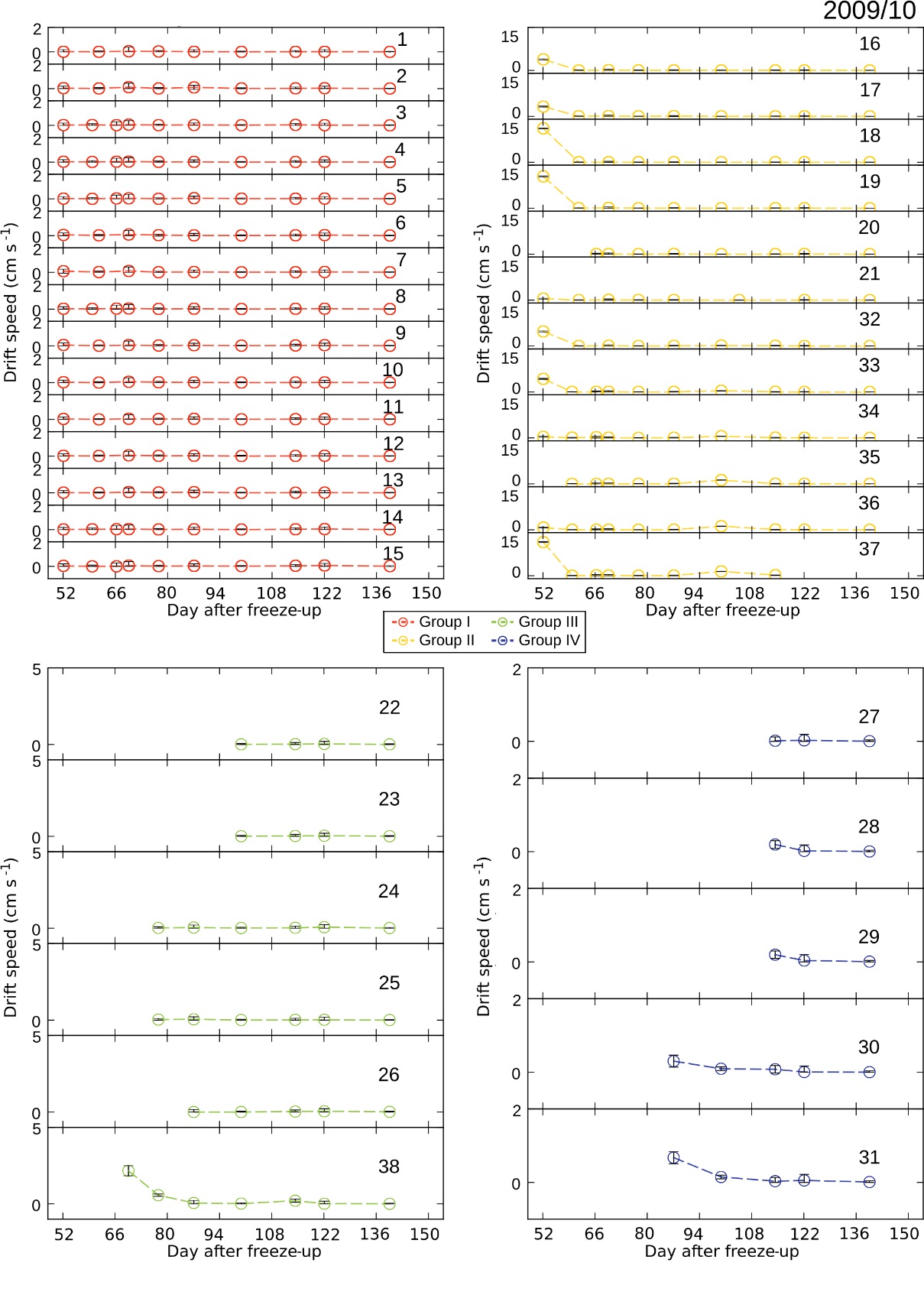
**Supplementary material for**: Selyuzhenok V., Mahoney A., Krumpen T., Castellani G**.** & GerdesR.2017. Mechanisms of fast-ice development in the south-eastern Laptev Sea: a case study for winter of 2007/08 and 2009/10. *Polar Research 36*. Contact: V. Selyuzhenok, Nansen International Environmental and Remote Sensing Centre, 14 liniya V.O. 7, St Petersburg, 199034, Russia. E-mail valeria.selyuzhenok@niersc.spb.ru

**Supplementary Fig. S1.** Time series of drift speed for all features of 2007/08. The error bars show range of drift for each time step. The number in the upper right corner refers to the feature’s number in Fig. 5a.

**Supplementary Fig. S2.** Time series of drift speed for all features of 2009/10. The error bars show range of drift for each time step. The number in the upper right corner refers to the feature’s number in Fig. 5a.