

Supplement to
Brief Communication: Further Summer Speedup of Jakobshavn Isbræ

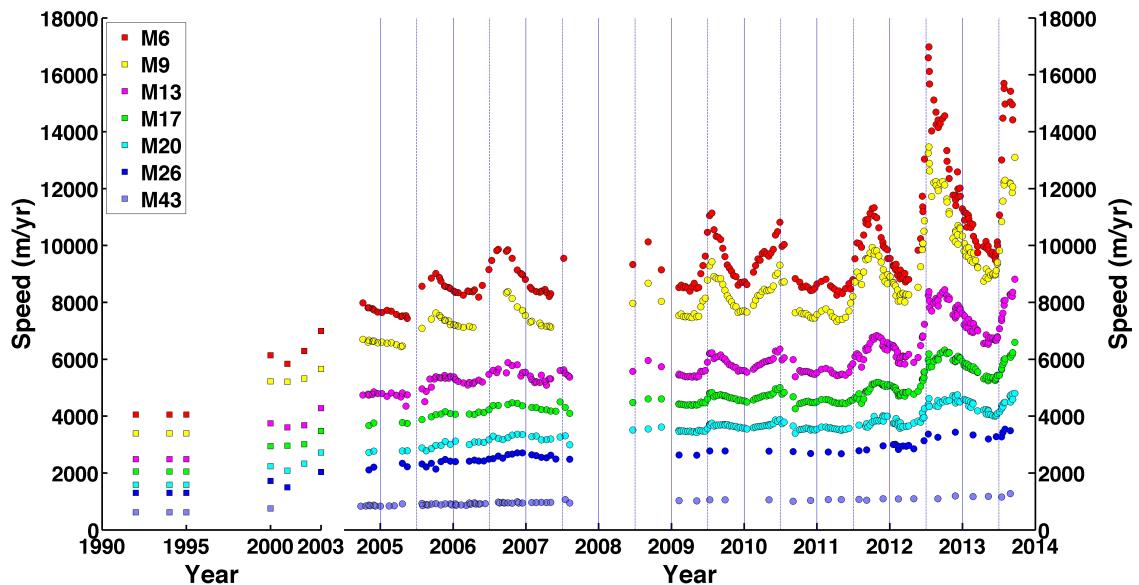


Figure S1. Plots of speed through time for Jakobshavn Isbræ determined from TerraSAR-X data collected from 2009 to 2013, RADARSAT data collected from 2000, and 2004 to 2007, LandSAT data collected from 2001 to 2003, and ERS-1/2 data collected from 1992 to 1995 (Joughin, Abdalati, & Fahnestock, 2004; Joughin et al., 2008; 2012). The colour circles (M6-M43) show the speed at several points along the glacier's main trunk at the locations shown in Figure 1 (M43 location not shown; Joughin et al., (2008)). Each point's numerical designation (e.g., M6) gives the approximate distance in kilometres from glacier terminus in late summer 2003.

- Joughin, I., Abdalati, W., & Fahnestock, M. (2004). Large fluctuations in speed on Greenland's Jakobshavn Isbræ[aelig]l glacier. *Nature*, 432(7017), 608–610.
doi:doi:10.1038/nature03130
- Joughin, I., Howat, I. M., Fahnestock, M., Smith, B., Krabill, W., Alley, R. B., et al. (2008). Continued evolution of Jakobshavn Isbrae following its rapid speedup. *Journal Of Geophysical Research-Earth Surface*, 113. doi:10.1029/2008JF001023
- Joughin, I., Smith, B. E., Howat, I. M., Floricioiu, D., Alley, R. B., Truffer, M., &

Fahnstock, M. (2012). Seasonal to decadal scale variations in the surface velocity of Jakobshavn Isbrae, Greenland: Observation and model-based analysis. *Journal Of Geophysical Research*, 117(F2), F02030. doi:10.1029/2011JF002110