**Natural Hazards
and Earth System
Sciences**

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Discussions

Interactive comment on "How severe Space Weather can disrupt global supply chains" *by* H. Schulte in den Bäumen et al.

Anonymous Referee #1

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General Comments

The article presents a very interesting analysis of both physical and economic effects of potential severe space weather events. The novelty of the work lies in the fact that the economic impact of physical disruptions of such events has been modelled with the most detailed and comprehensive international trade (input-output) model, thus making the analysis certainly the most detailed, if not the most accurate to date. The work is of high scientific significance and quality and has been presented well.

Specific Comments

I made a number of specific comments as ANNOTATIONS to the PDF version of the paper > see uploaded file.

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Printer-friendly Version

Interactive Discussion

Discussion Paper

The key points of my comments are:

> It's not totally clear to me how you derive the Gamma matrix. Do you calculate it or do you estimate it somehow? Please explain on page 4471.

> Jargon: Some terms and variables need more explaining; especially on the first few pages of the paper (and in Eq. 1).

Please note that there are numerous other comments in the annotated PDF ("Supplement") which are meant to help improve the clarity of the paper.

Please also note the supplement to this comment:
http://www.nat-hazards-earth-syst-sci-discuss.net/2/C1595/2014/nhessd-2-C1595-2014-supplement.pdf

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 2, 4463, 2014.