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Hydrology and Earth System Sciences
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Discussions

Interactive comment on "Satellite signal shows storage-unloading subsidence in North China" *by* J. P. Moiwo and F. Tao

Anonymous Referee #2

Received and published: 28 July 2015

The paper has a major scientific significance and the subject being discussed is multi-disciplinary.

Since land subsidence is related to aquifer which is both a geologic and a hydrologic system, the type of formations in the study area should be furthermore introduced in the paper. The magnitude of the subsidence in relation with the aquifer media (matrix) should be assessed. Could the authors claim the same conclusions if the formations were merely clayey, sandy or silty? Varaibility of land subsidence with the type of aquifer formation, not only the groundwater head lost due to extraction stress!

Some minor syntax review should be carried out by the authors and/or a third party (i.e . line 25 page 6051) to improve the clarity of the paper. The authors must be consis-

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tent with the vocabulary used in the paper (i.e. hydraulic conductivity not hydrologic conductivity).

Line 22 page 6061: I wonder how using salt water could be of any good at mitigating land subsidence by enhancing GWS. On the contrary, the result could be pollution and lost of valuable good quality groundwater.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 12, 6043, 2015.