Nat. Hazards Earth Syst. Sci. Discuss., 1, C1484–C1485, 2013
www.nat-hazards-earth-syst-sci-discuss.net/1/C1484/2013/

Natural Hazards and Earth System Sciences
Discussions

Interactive comment on "Novel method for hurricane trajectory prediction based on data mining" *by* X. Dong and D. C. Pi

X. Dong and D. C. Pi

nuaadong_xin@163.com

Received and published: 9 December 2013

We would like to express our sincere appreciation to you for your careful reading and helpful comments to improve the quality of this paper. Detailed comments follow.

Comment 1: This paper describes a novel method for hurricane trajectory prediction based on data mining according to the hurricane's motion characteristics. This is an application in the field of the weather prediction. We think that the readers would be interesting in this novel method, and they also could learn some different in this paper.

Comment 2: To solve this problem, we refer to the nearly five years of relevant literature at home and abroad. After repeated studies, we find that: Most of the trajectory prediction research in the experimental part using artificial data sets. The experimen-

tal results and credibility, are not comparable with ours using real data; A few real-time predictions using real hurricane trajectory data only perform experiments on one or a few hurricane trajectories from the perspective of meteorological forecast. It's difficult to compare with the statistical result got from a large number of trajectories proposed in this study. Therefore, it's difficult to give the horizontal comparison.

Comment 3 and Comment4: We are continuing to improve this paper. Thank you for your comments.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 1, 4681, 2013.