

Interactive comment on “Behavior analysis of convective and stratiform rain using Markovian approach over Mediterranean region from meteorological radar data” by M. Lazri et al.

M. Lazri et al.

m_lazri@yahoo.fr

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We would like to thank Anonymous Referee # 1 for his constructive comments. Indeed, the study period is small, we chose the rainy season which is (from October to March), the other party of the year is the period without rain (no raining), Therefore, we studied the precipitation during its period (following your point, we will expand, we are currently doing, this database at 3, 2001, 2002, 2003) We inform you that we issued this conclusion after checking the results on many areas of radar, the results are identical on the northern part of Algeria and part of the Mediterranean covered by the radar (following

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your remarks, we expect these results add to the paper) Following your remarks, we are currently verifying the model validation based on data from the years 2009, 2010 and 2011, which were not used in calculating the transition matrix. We apologize for spelling mistakes and syntax, we are about to make corrections possible Sorry for the omission of some references, we will add these references.

We will review the equation (1) with the ability to add additional information and / complementary from (Raghavan, 2003). We are currently see Koutsoyiannis, D.: A random walk on water, Hydrol. Earth Syst. Sci., 14, 585-601, 2010, doi: 10.5194/hess-14-585-2010.

We express again our thanks

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 9, 6225, 2012.

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