

Discussion on principal possibility of causal chain from solar activity and space weather to the earth weather and agriculture price dynamics continue more than 200 years from first publication of Herschel (1801) up to the current time.

We analyze main arguments of two sides and show that root of the critics of this possibility based on wide accepted conception in universality of solar-terrestrial connection (like to daily and season variations) what suggest that effect must be observed in any historical periods and in all regions. We show that expectation is not correct because solar-terrestrial connections generated by different sides of solar activity with different agents of solar magnetic dynamo process have different and non-stable phase pattern.

We remind that realization of causal chain “solar activity/space weather” – “earth weather” – “crops” – “market reaction” may have place only in specific historical periods and in specific zone where and when the three necessary conditions will be complete. This limitation leads to possibility of four possible scenarios of market reaction.

We show that the critical arguments used for rejected principal possibility of causal connection “solar activity” – Earth agriculture markets” based on ignoring of necessity of 3 necessary condition for realization of the causal chain and using for analysis periods and location, when and where necessary condition are not completed