



Causes increase of number of natural catastrophes.

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From data of the OXFAM number of natural catastrophes was increase from 120 (1980) to 500 (2007). Number of floods and hurricanes was increase from 60 (1980) to 240 (2007). From data of the USGS number of strong earthquakes ($M^{3.6}$) was increase from 119 (1980) to 160 (2006). Causes of such changes are explored. It is system change. After the 1997 the changes of volume of Earth (1997) happened, increase speed of rotation (1998) after its, changes forms (1998) after its, changes magnetic conditions (1999) after its. Unusual correlations of tendencies speed of rotations Earth to the tendencies of change of co-ordinates of axis of rotation of Earth were formed. Possibly sliding a lithosphere for display of this process activated began in December 2003. System changes of character of seismicity of Earth and character of plastic geodeformations are fixed. The “slow earthquakes” began to be shown. From December 2004 year the move of north hemisphere of Earth in relation to south began to be fixed. With this process strong non-deep earthquake are linked in the areas of subductions in equatorial sector. Usually they form a tsunami (26.12.2004, 1.12. 2007). Data are cited about the sharp change of direction of motion of tectonic plates. The spectrum of display of geodynamic motions broadened. In before motions, related to spreading and subduction (3 range) and block motions (4 range). Now take place moving by the transform trench (2 range), probably tendencies of moved of all lithosphere wholly (1 range). An example of transformation of motions from the 1 range to the 4 range in April 2007 year is considered a process of dissipation of energy is described from the worldwide scale to blocks geodeformations (local scale). Examples are considered. In September 2005 is fixed unprecedented for history of civilization of rapid spreading in Ethiopia with amplitude 8 meters for the 3 day. After it rapid motions of lithosphere of Earth on astenosphere are fixed confirmed by the loops trajectory

of co-ordinates of axis of rotation of Earth. These motions were accompanied of destroyed building in the different regions of Earth. The described phenomena form the changes of temperature, gas components of atmosphere, water cycle. Terms of forming synchronous processes of drought in the region of Amazon river are considered and anomalous tropical cyclogenesis in Atlantic (August-December 2005).