



The Time Varying Sun

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Since its formation, 4.5 billion years ago, the Sun changed considerably. The activity of the young Sun was irregular and the amplitudes quite high. X ray fluxes reached 1000 times of today's values and this should have changed considerably the formation of primitive planetary atmospheres. We will review what we can learn from our Sun by comparing it with solar like stars. A comparison of its activity with present day values and phenomena will be also given.

Possible changes of the dynamo mechanism that triggers all solar activity will be discussed in the light of chaos theory