

Talk at Splinter Meeting

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SOLAR ACTIVITY: BASIC PHENOMENA AND PROCESSES

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Solar activity involves many phenomena which are all driven by the complex solar magnetic fields that are generated by a dynamo mechanism. I will review the most important aspects of solar activity, including the activity cycle, sunspots and active regions, and the most dramatic form of solar activity: solar eruptive events (flares and coronal mass ejections). Finally, I will address the issue of how we can apply what we learn about solar activity in the wider context of stellar activity (and vice versa).