

DISCUSSION 2

SOC behavior: short-term to long-term

Norma B. Crosby

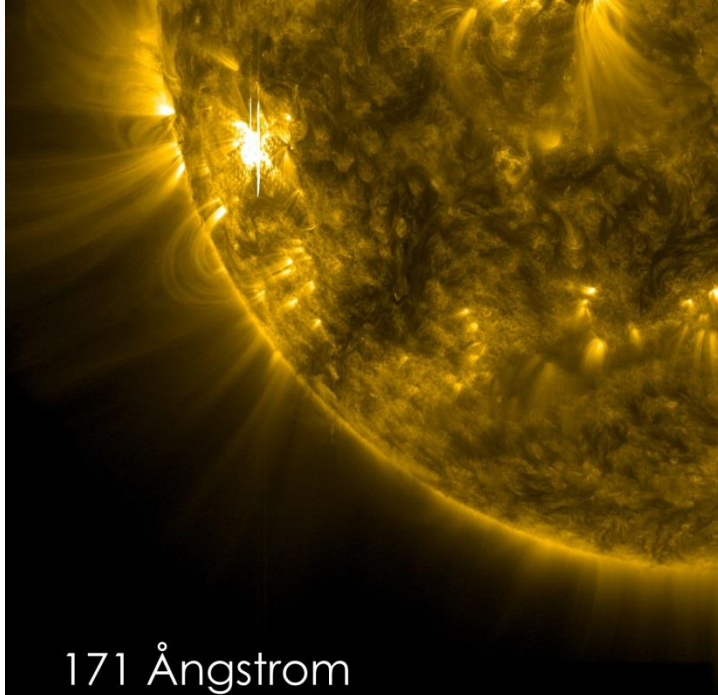
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SOC behavior existing
on different time
scales (hours, days,
years, decades, ...)?

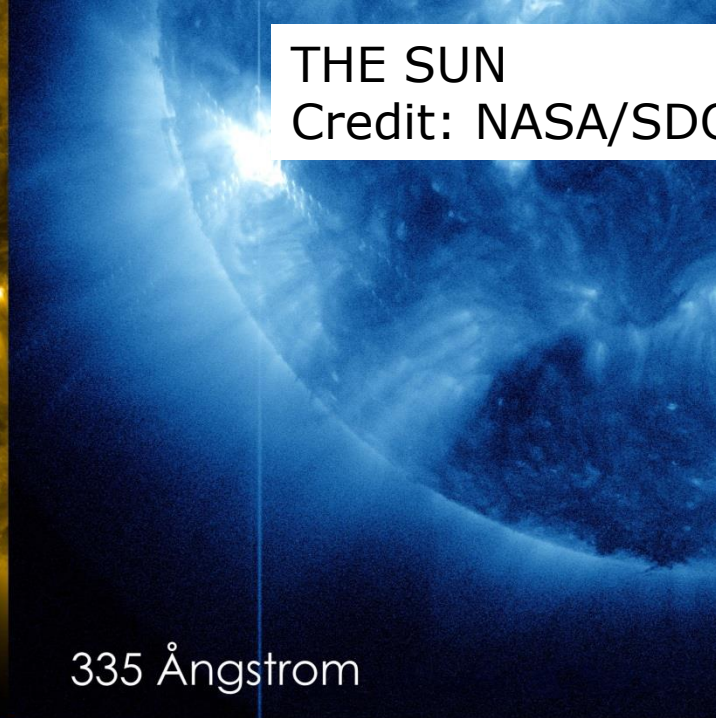
When does a system stop being in a “SOC state” - reach a “saturation limit” - and become a “non-SOC state” system?

THE SUN

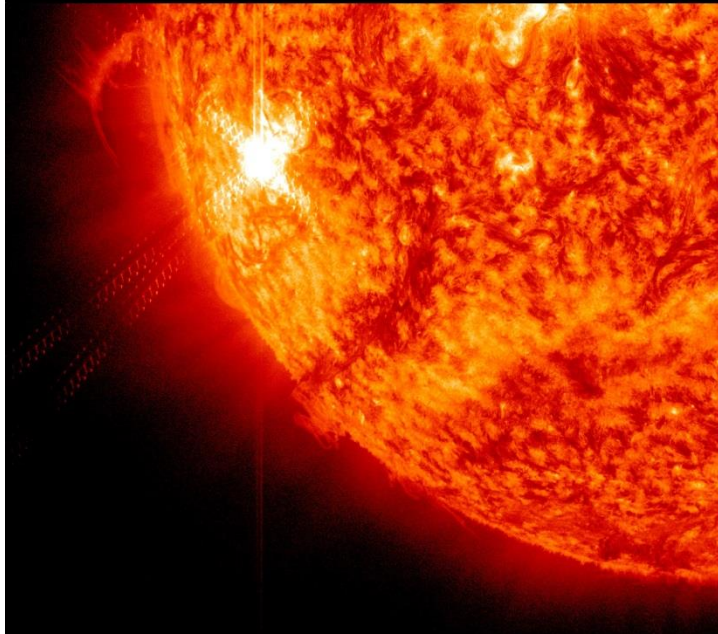
Credit: NASA/SDO/Goddard



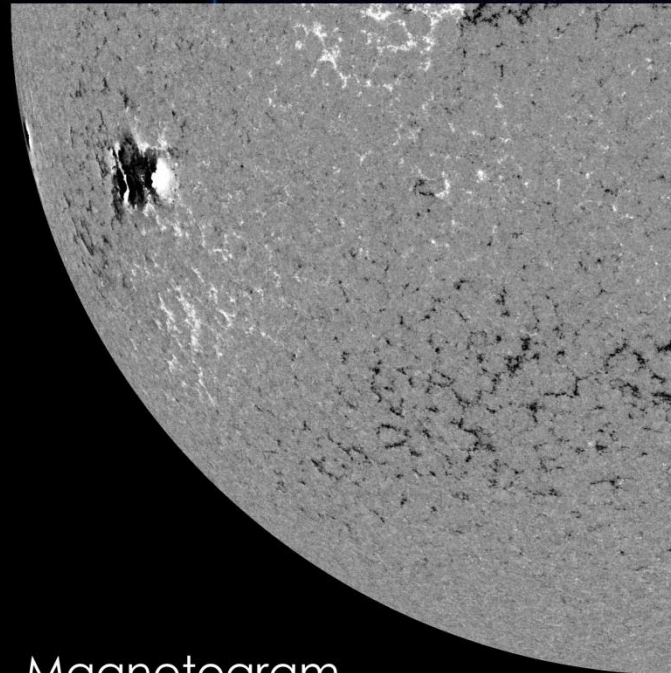
171 Ångstrom



335 Ångstrom



304 Ångstrom

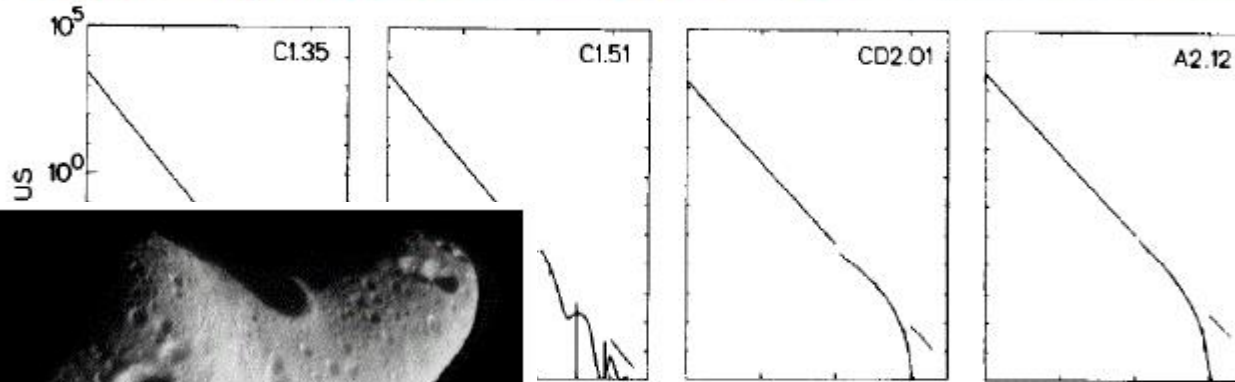
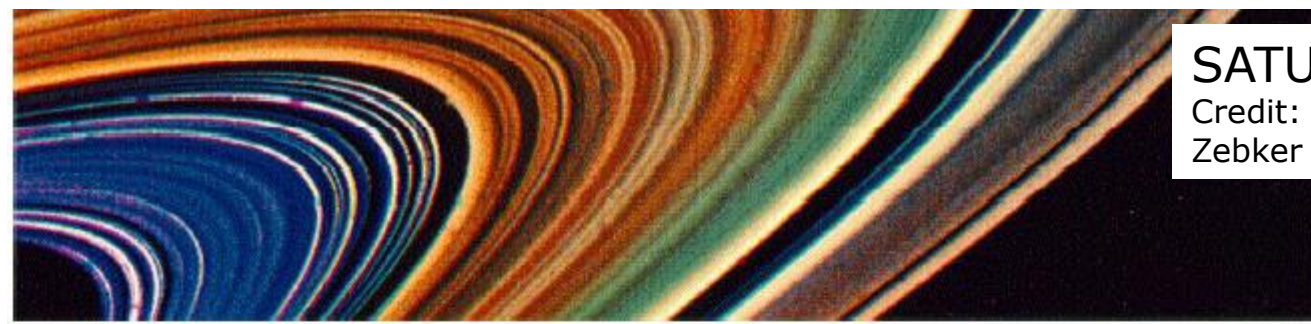


Magnetogram

Powerlaws: SOC or non-SOC

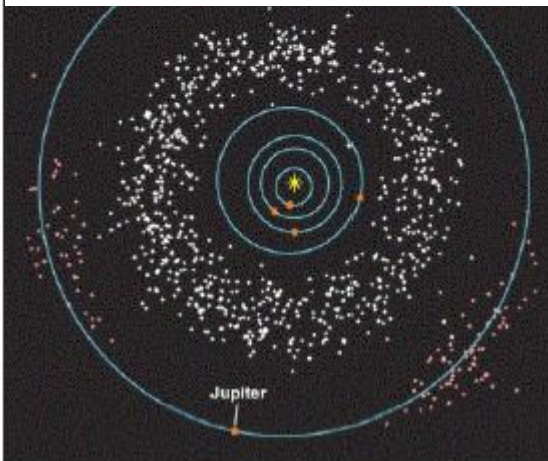
SATURN'S RINGS

Credit: NASA, JPL, Space Science Institute, Zebker et al. 1985



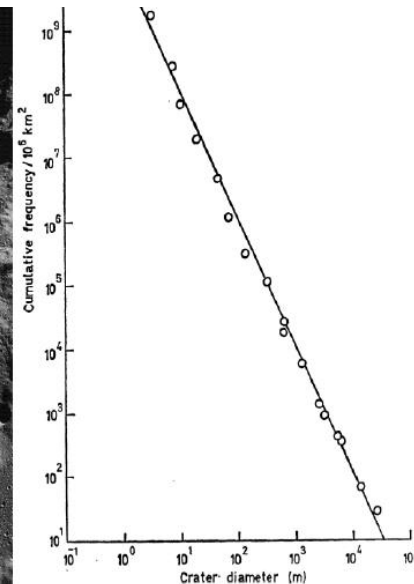
ASTEROID BELT

Courtesy of NASA/Johns Hopkins University Applied Physics Laboratory



LUNAR CRATER DIAMETERS

NASA photo AS11-44-6611, Cross (1966)



GALACTIC
COSMIC RAY
FLUX
Swordy (2001)

