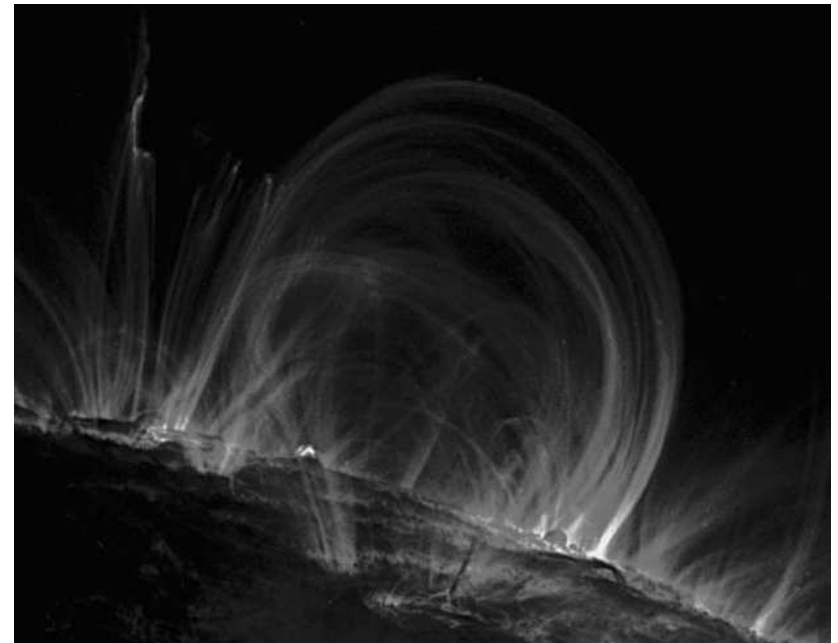
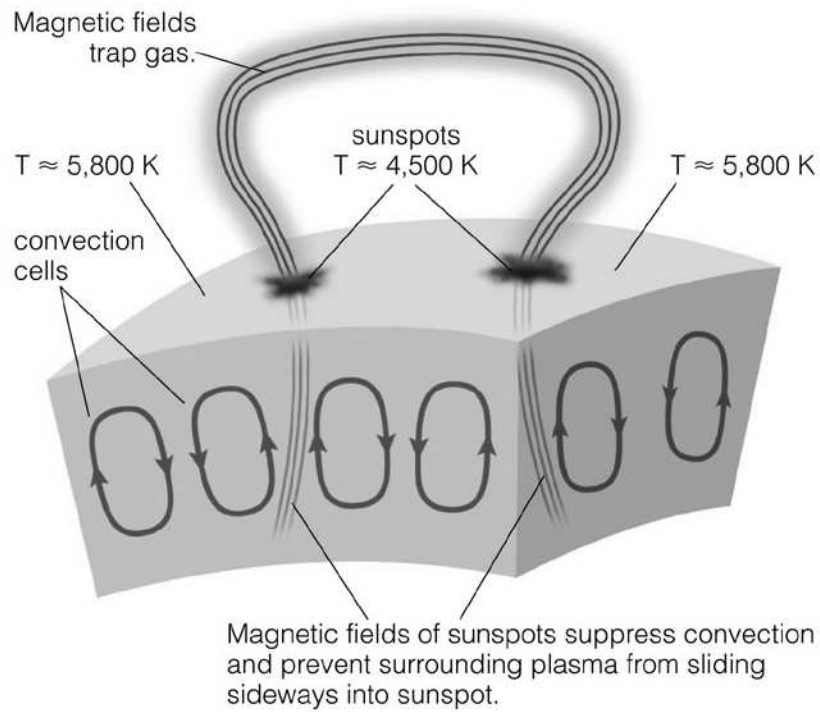


Lecture 19: Announcements

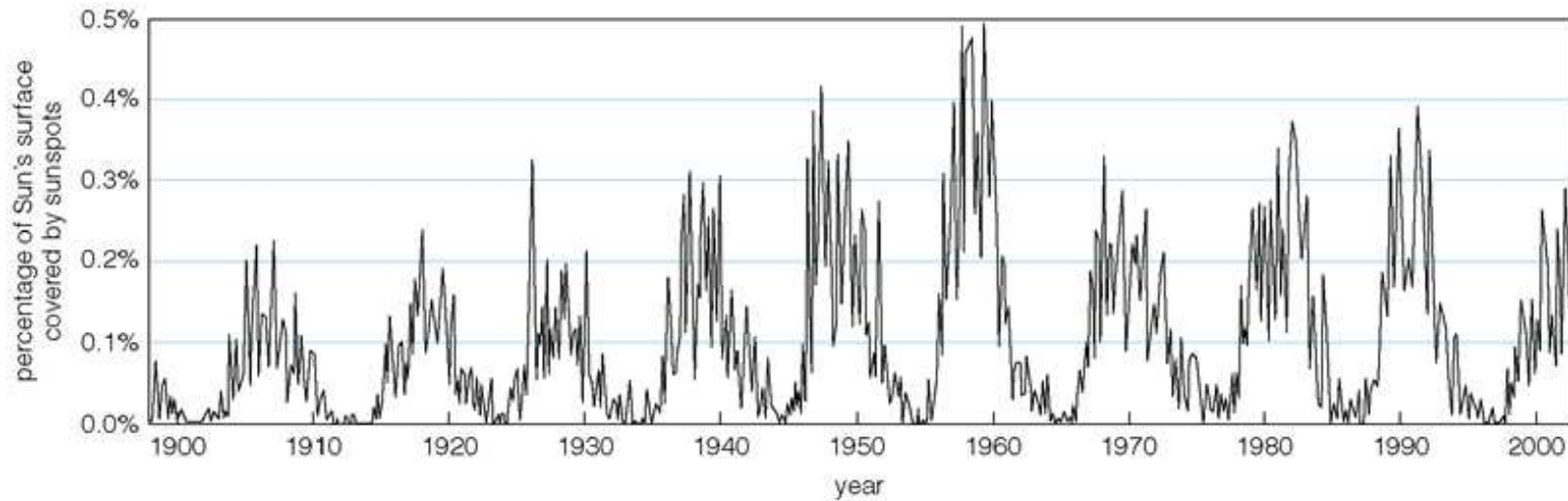
- Second review session in class on Mon Mar 7
Bring your homeworks 1+2+3 for discussion
- Exam on Wed Mar 9: Bring a bluebook for the exam. You can get them from the co-op : Makes up 20% of total grade . See webpage for a description of the exam format
<http://www.as.utexas.edu/~sj/a301-sp05.html>
- Lesson from HWK 1 and 2: If you copy your assignment or let someone else copy yours, you both get 0. One or 2 zeros, will get you on Dean's report.

Sunspots and magnetic activity



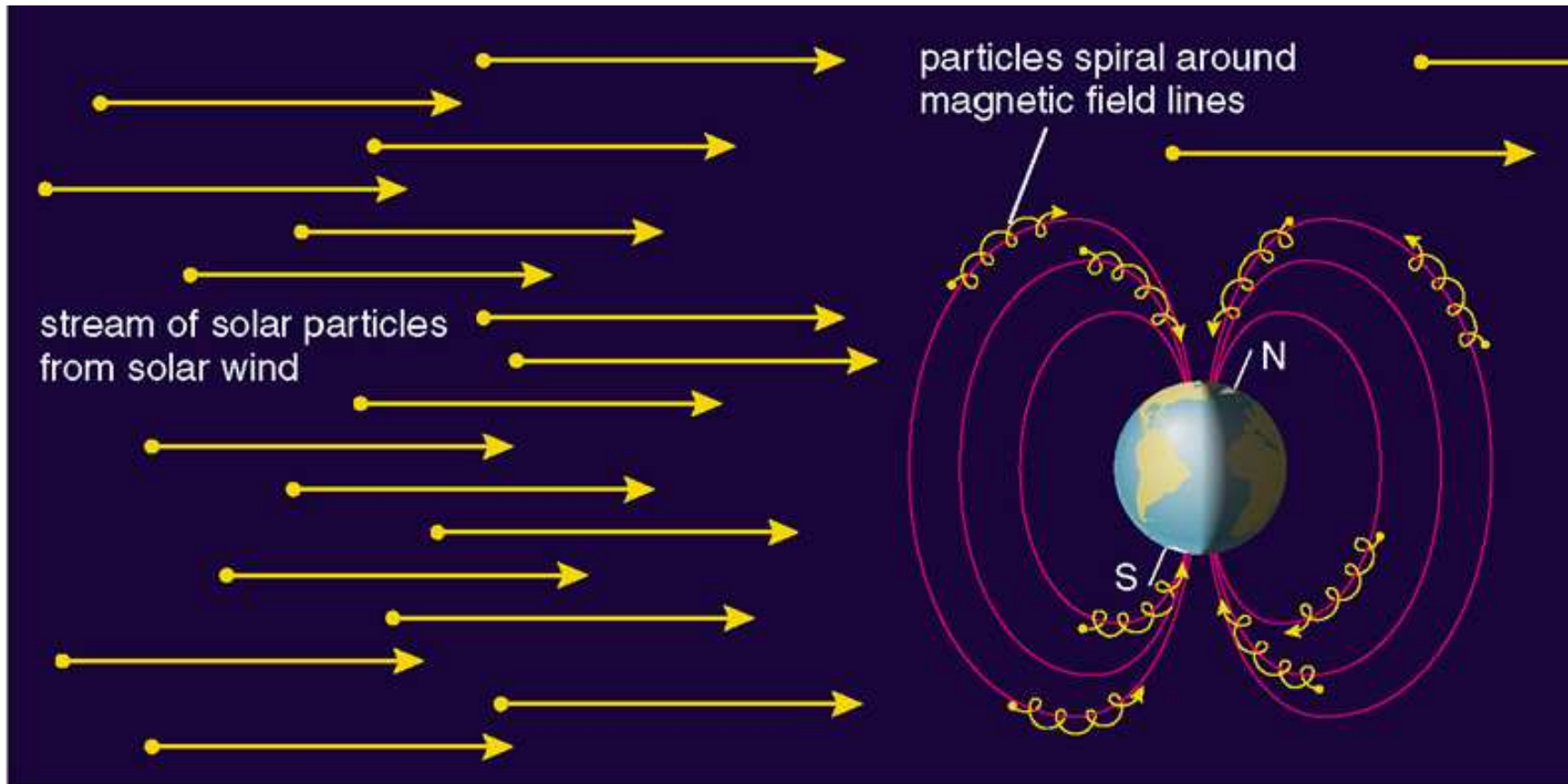
X-ray image (NASA's TRACE mission): hot million degree gas trapped in magnetic field

Sunspots and magnetic activity

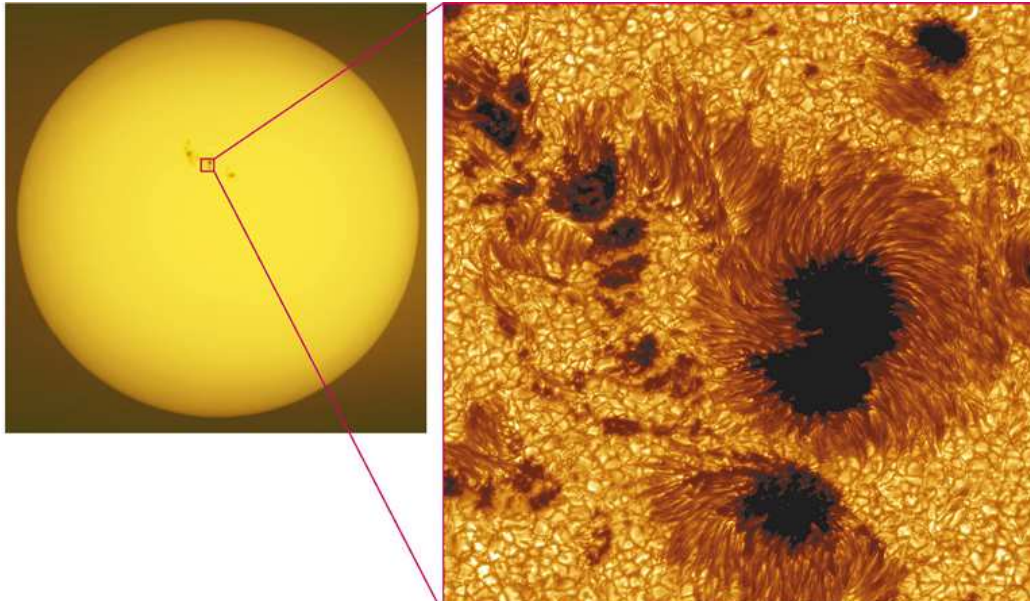


Average period of sunspot cycle = 11 year
Solar min à max à min

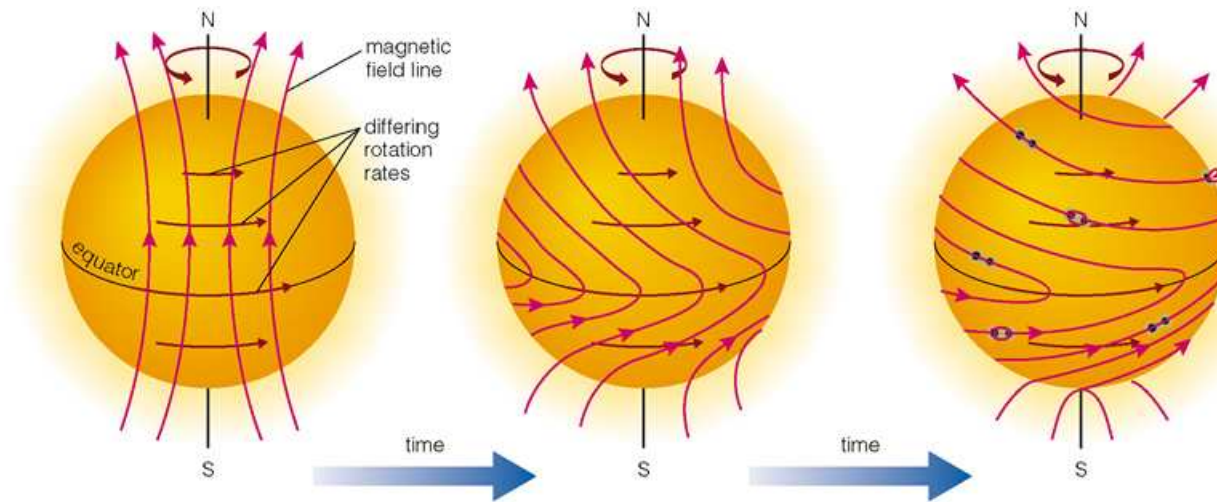
Auroras



Sunspots and magnetic activity



Large sunspots = 15,000 km across



Effects of differential rotation and a convection zone