

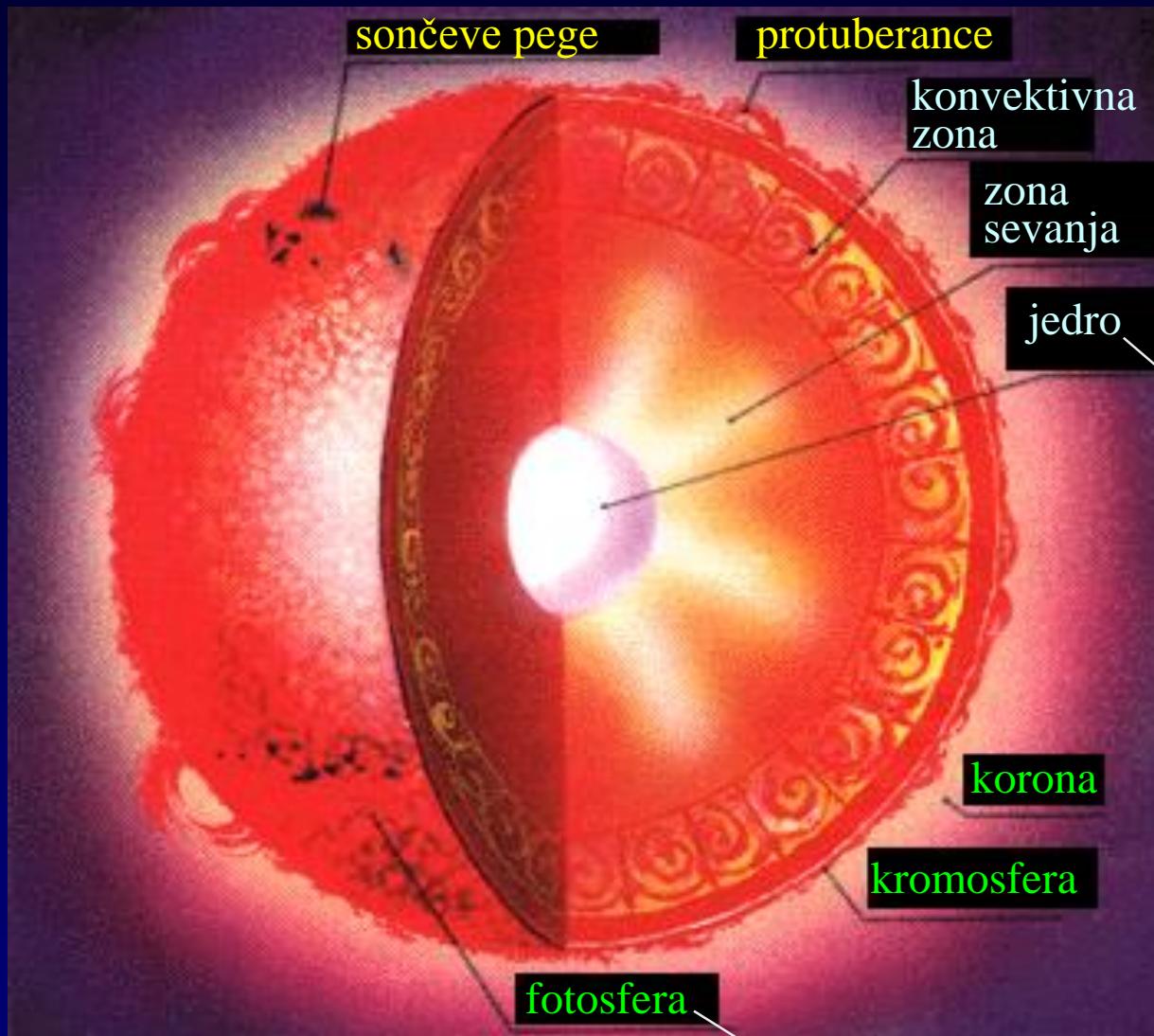
NAŠA ZVEZDA SONCE

Bojan Vršnak

Opservatorij Hvar, Geodetski fakultet, Zagreb



Struktura Sonca



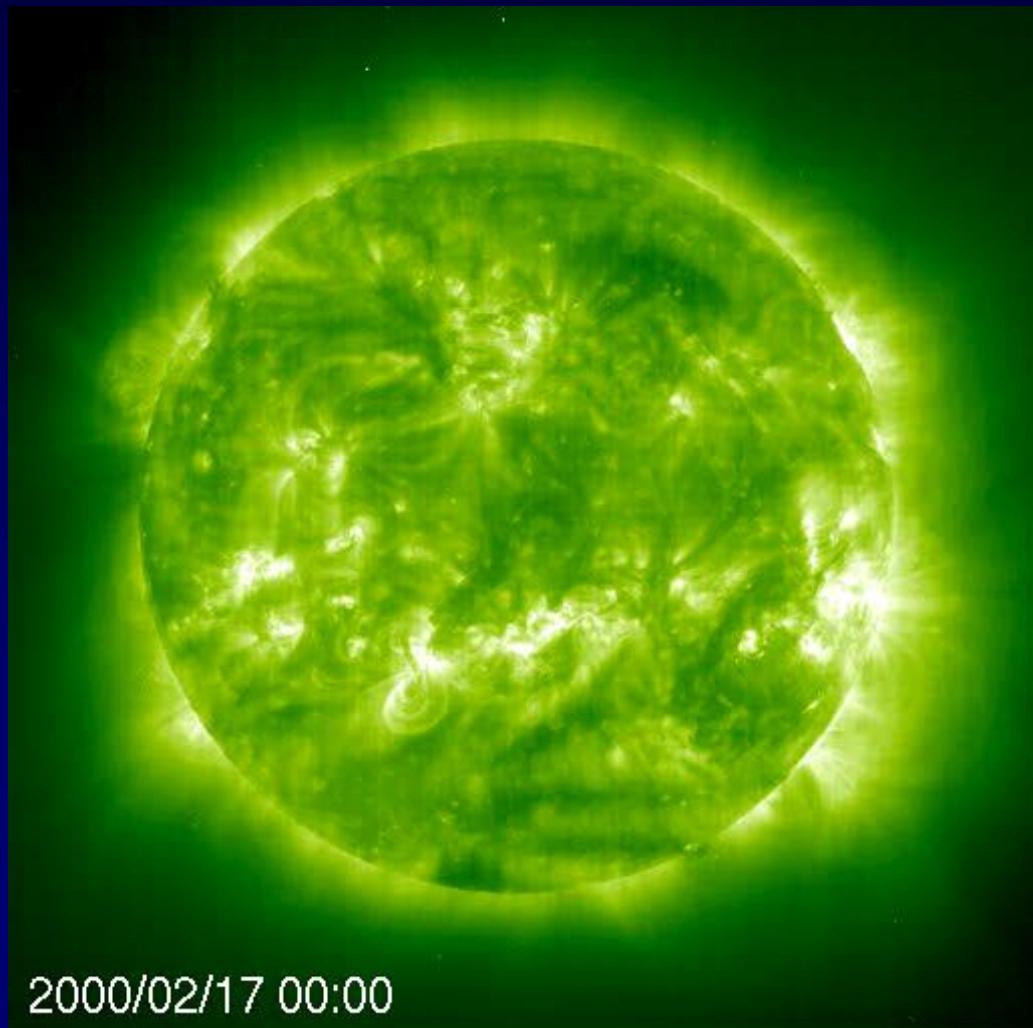
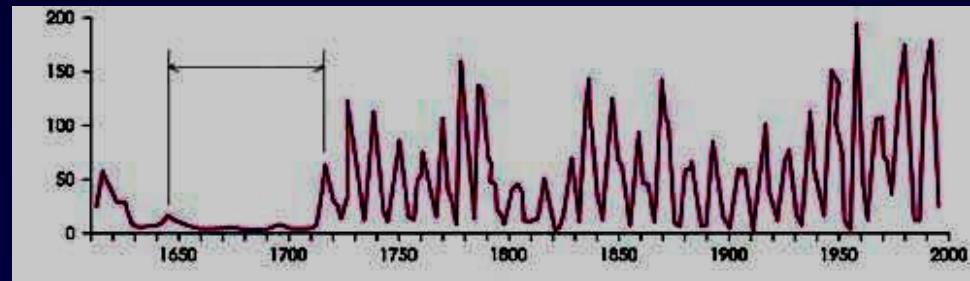
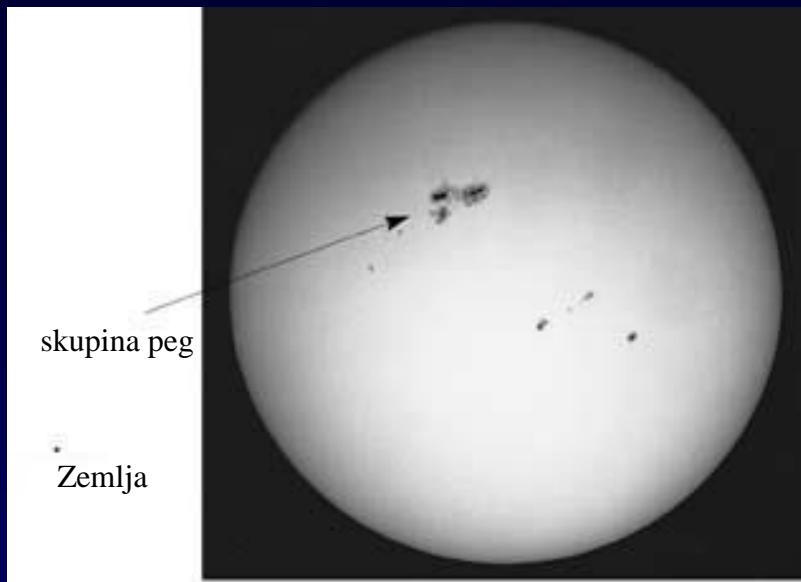
91% = vodik
9% = helij
ostanek = 0.1%

15 milijon K
gostota = $150 \times H_2O$
(1 L = 150 kg)

$4H \rightarrow He$
(600 milijon
ton / s)

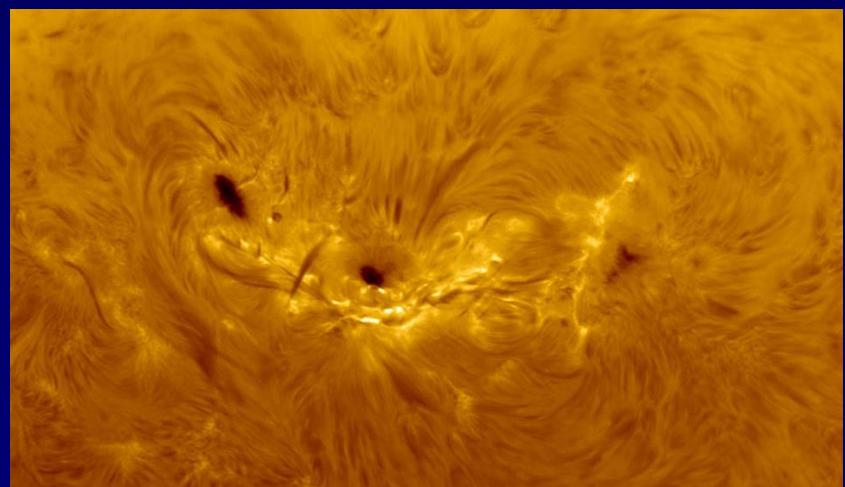
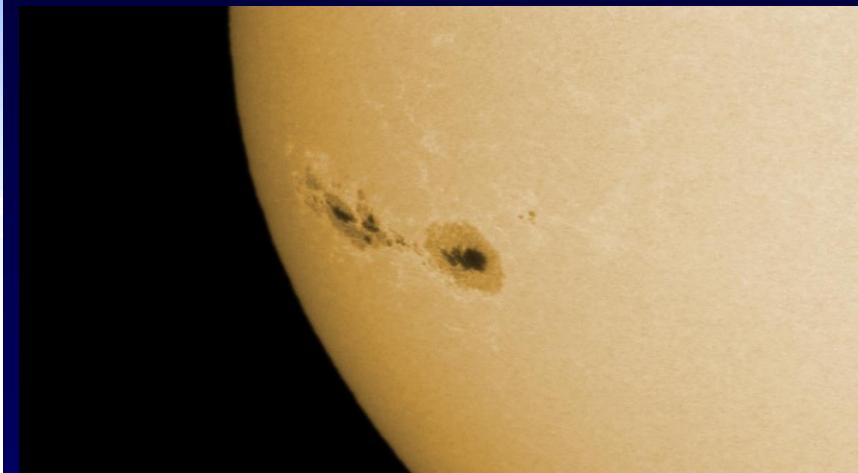
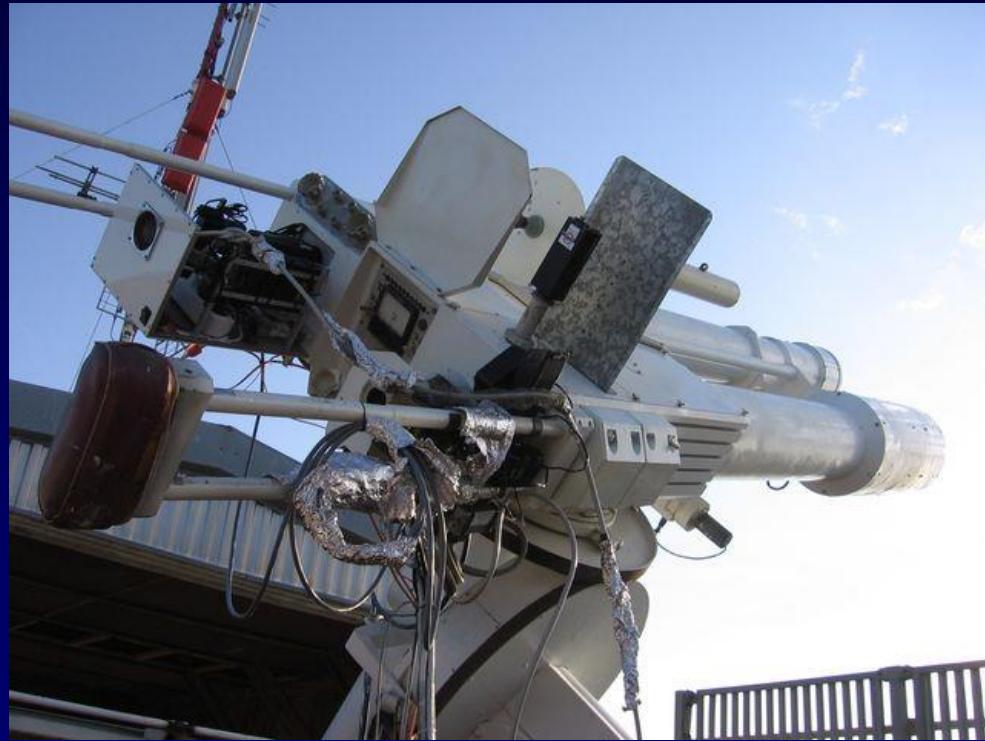
Sonce = zvezda

Sončeva aktivnost

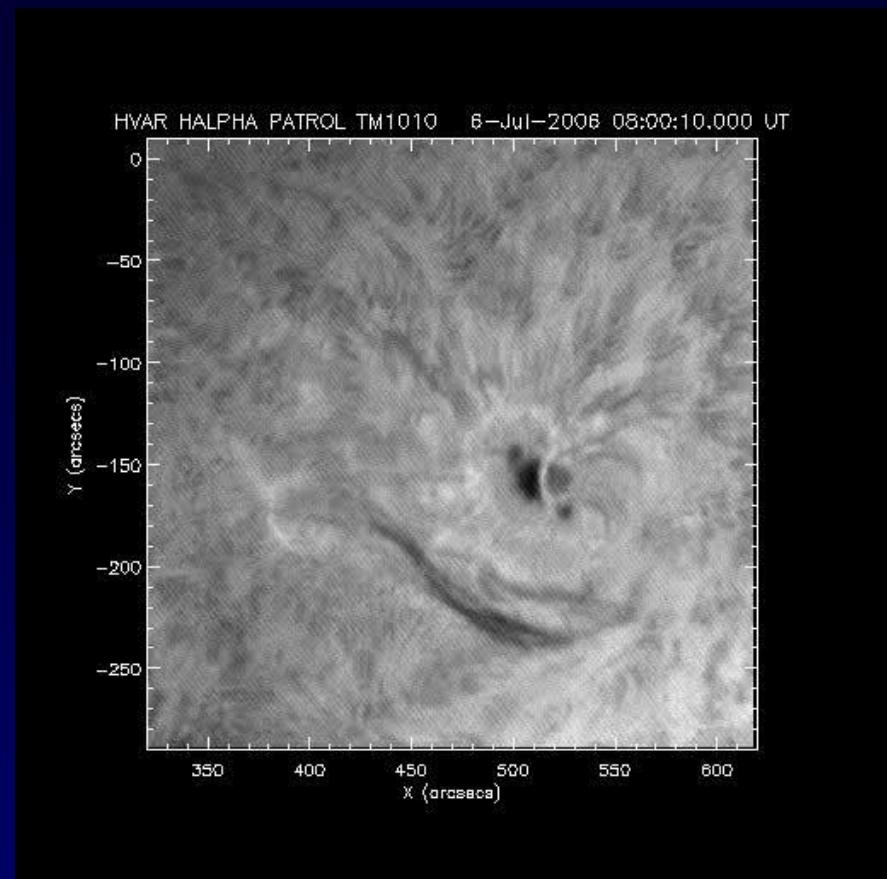
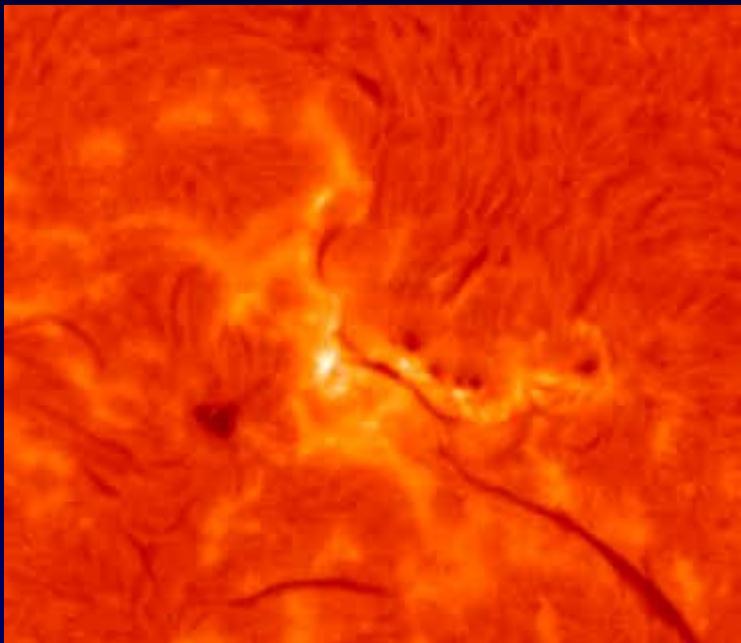


2000/02/17 00:00

Hvarski solarni teleskop

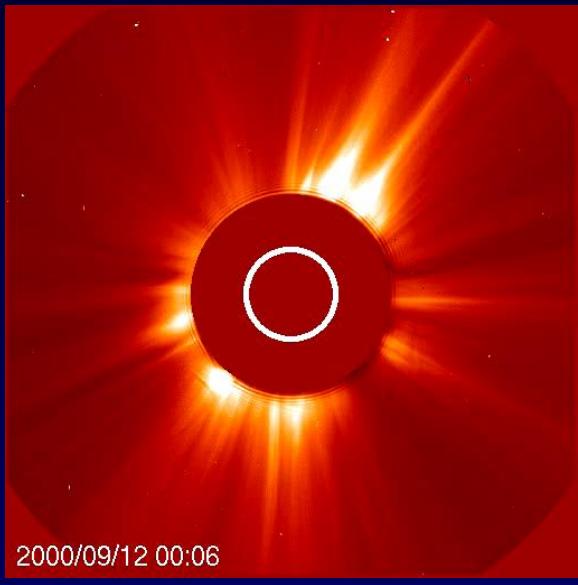


Sončevi bleski

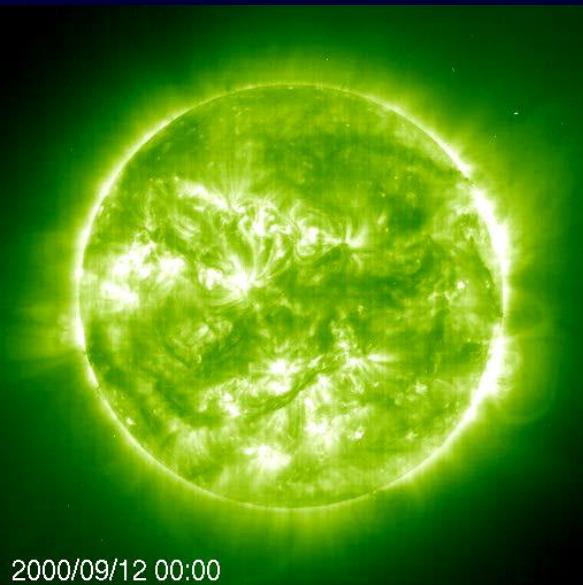


- 40 milijonov K
- žarki delcev
- radio i X sevanje

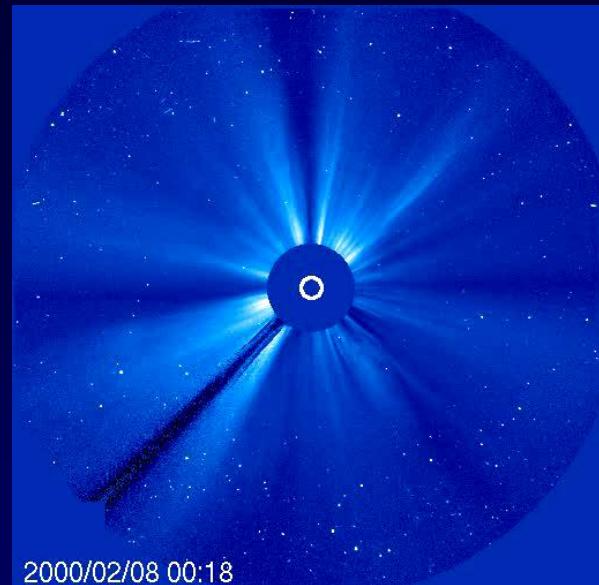
Sončeve erupcije („koronini izbruhi“)



2000/09/12 00:06



2000/09/12 00:00



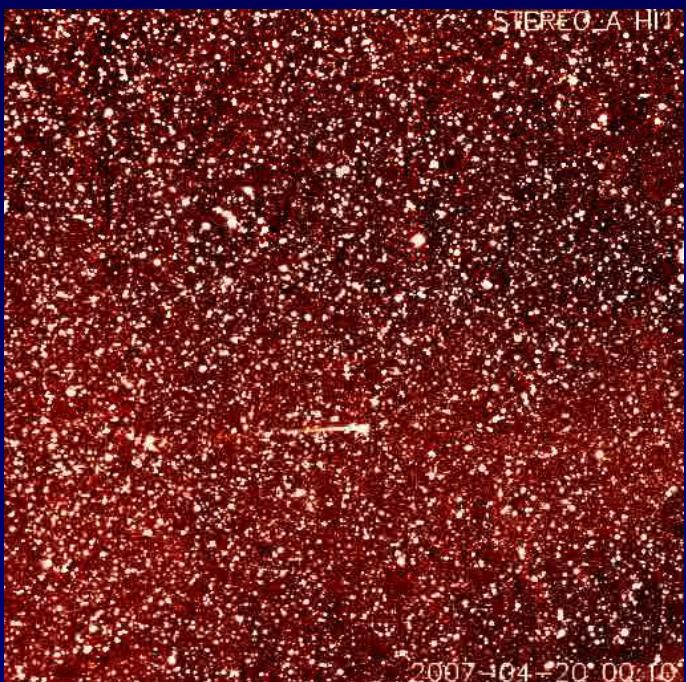
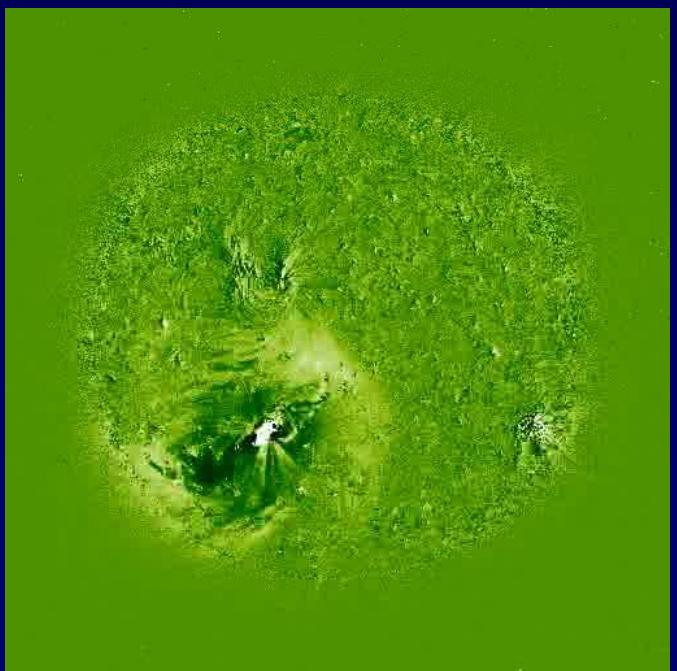
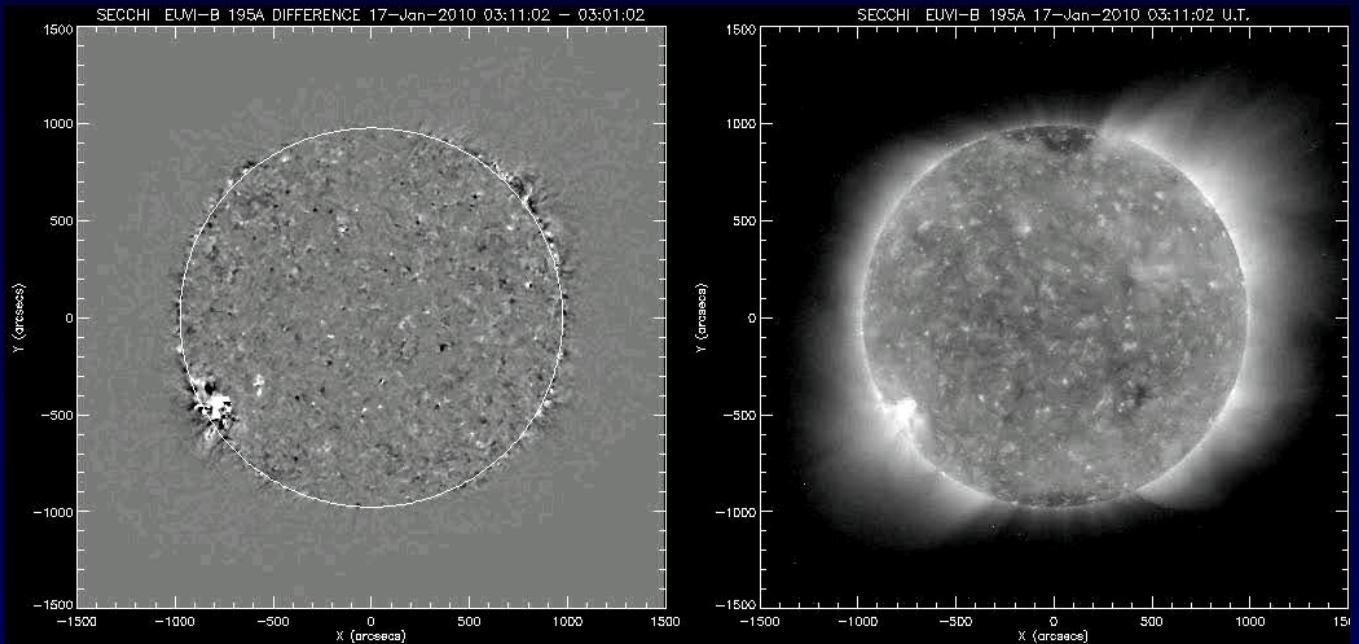
2000/02/08 00:18



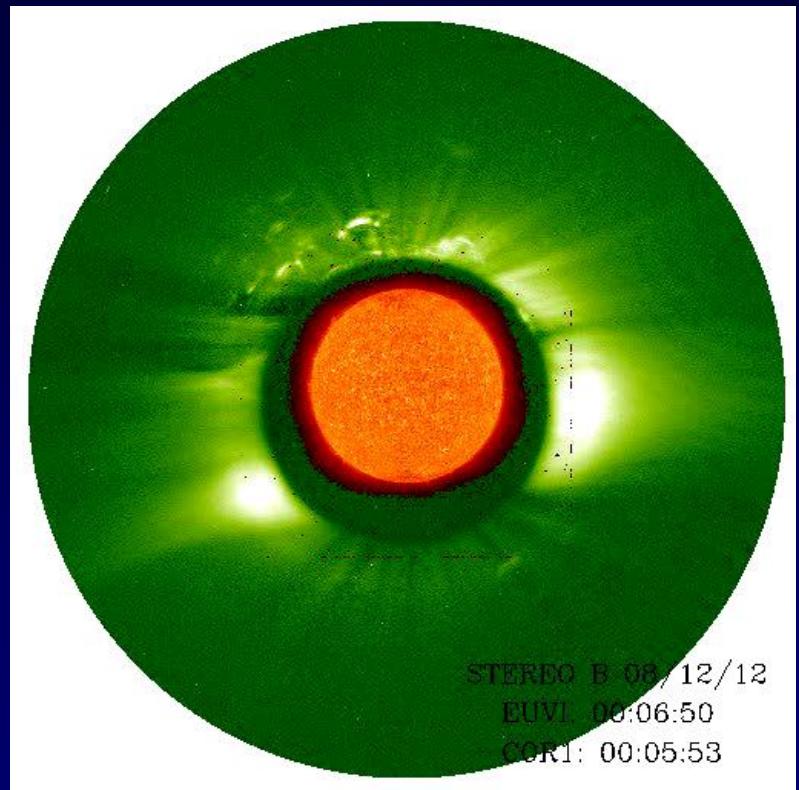
C3 1997/05/01 01:52

hitrost = 1000 km/s
masa = nekaj milijard ton
energija = 100 milijard A-bomb

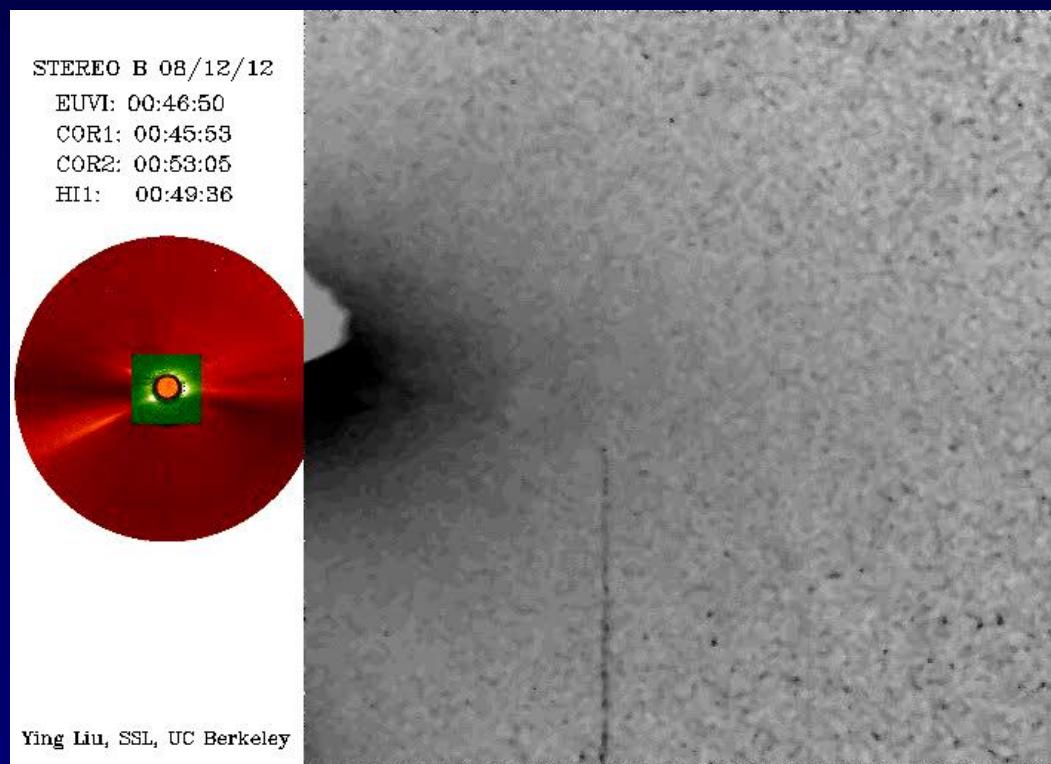
Sončevi „tsunamiji“



Medplanetarni prostor



STEREO

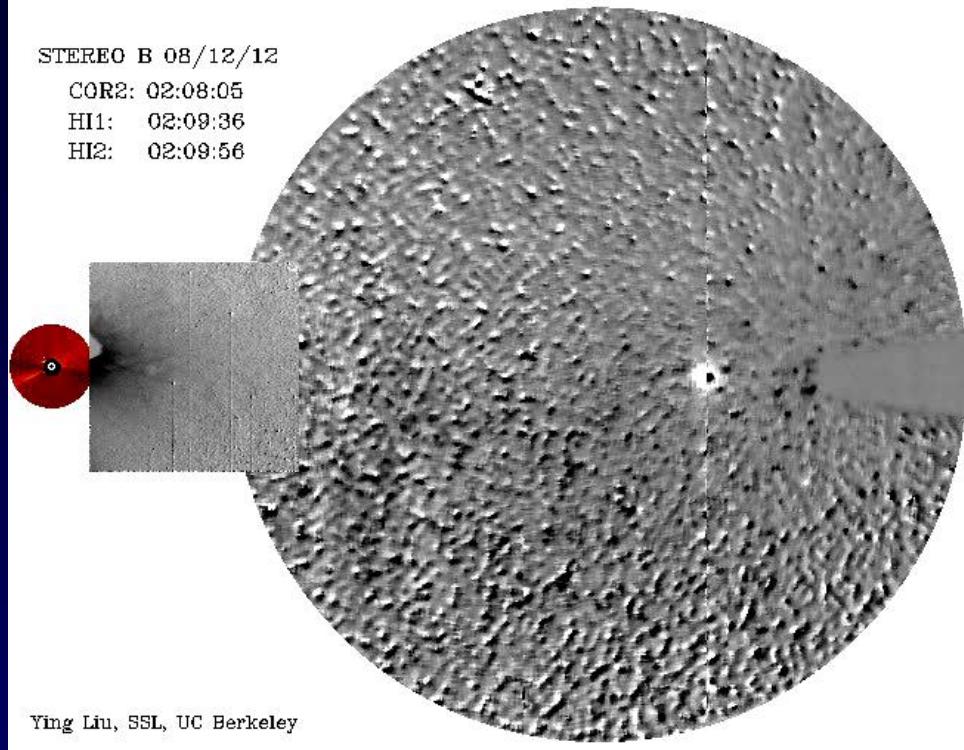


STEREO B 08/12/12

COR2: 02:08:05

HI1: 02:09:36

HI2: 02:09:56



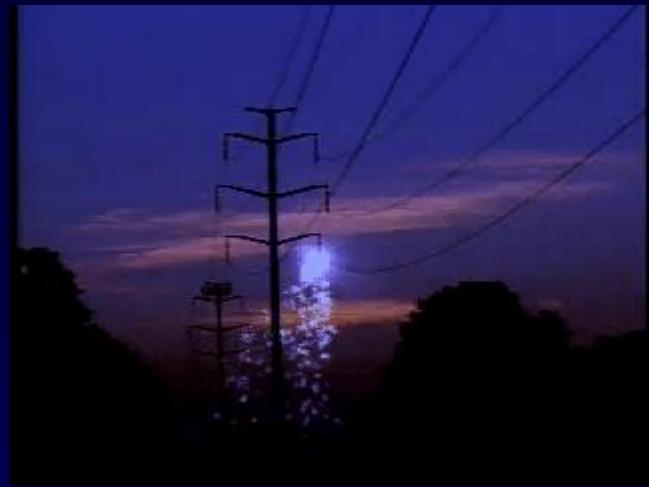
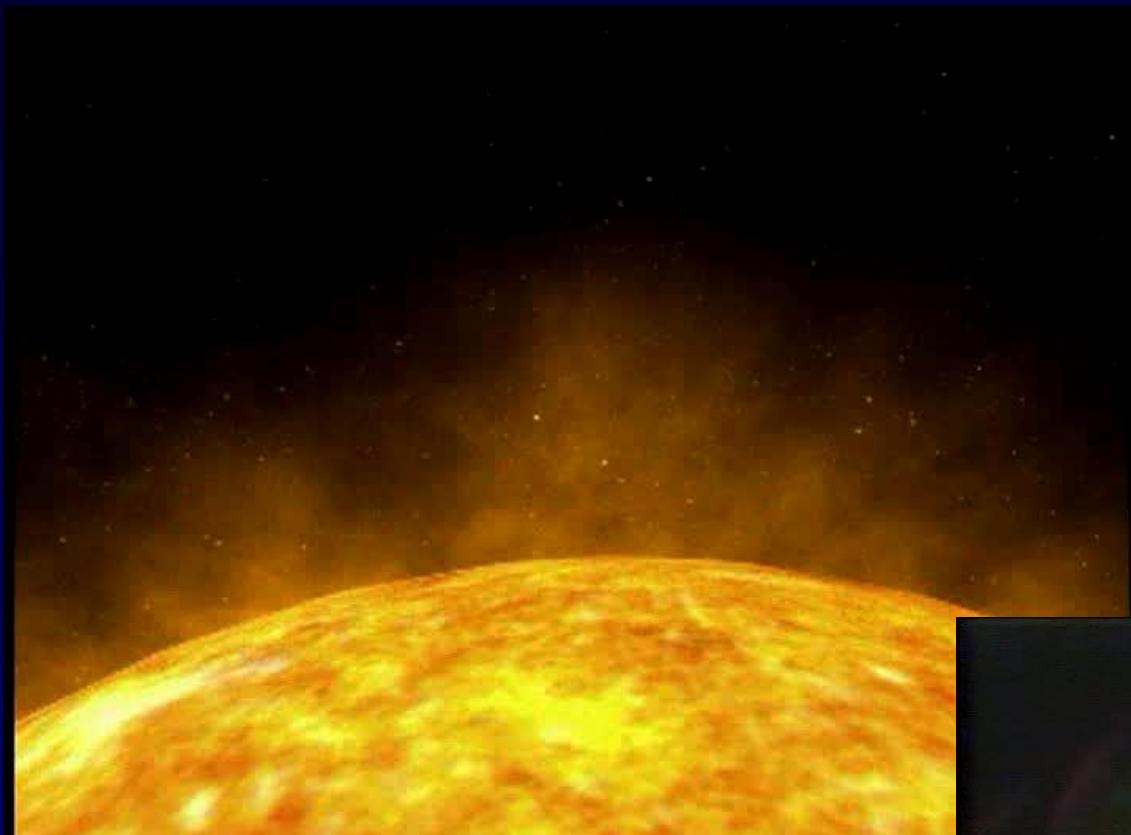
Ying Liu, SSL, UC Berkeley

STEREO-B

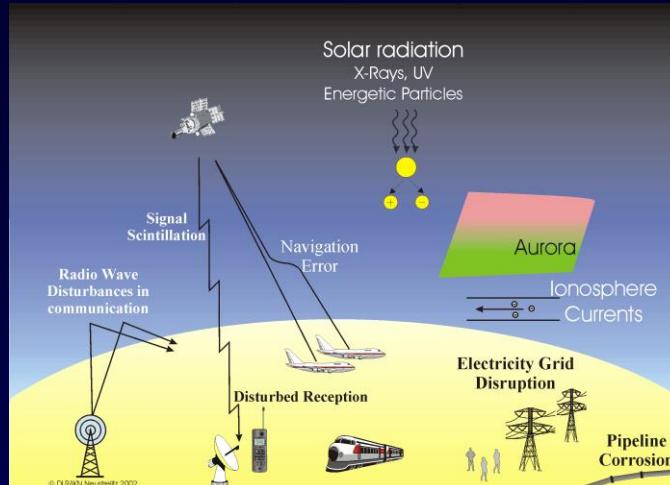
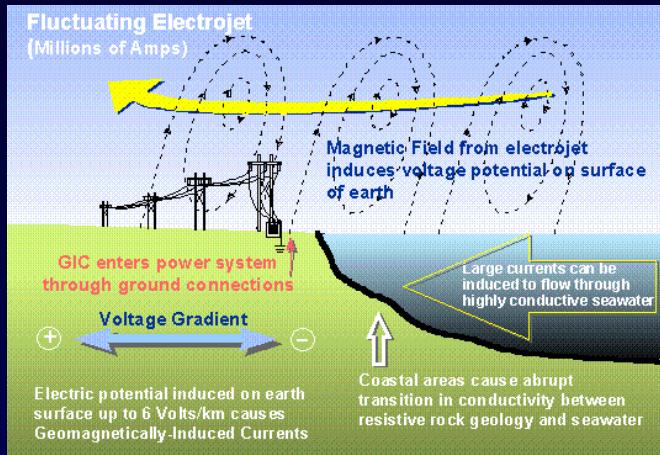
STEREO-A



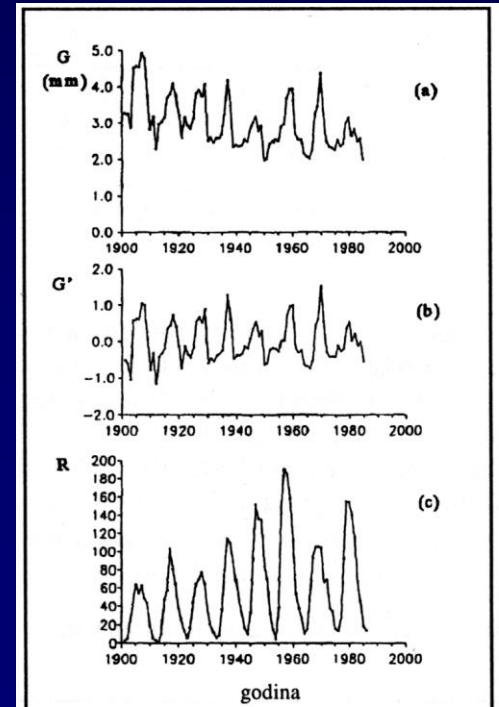
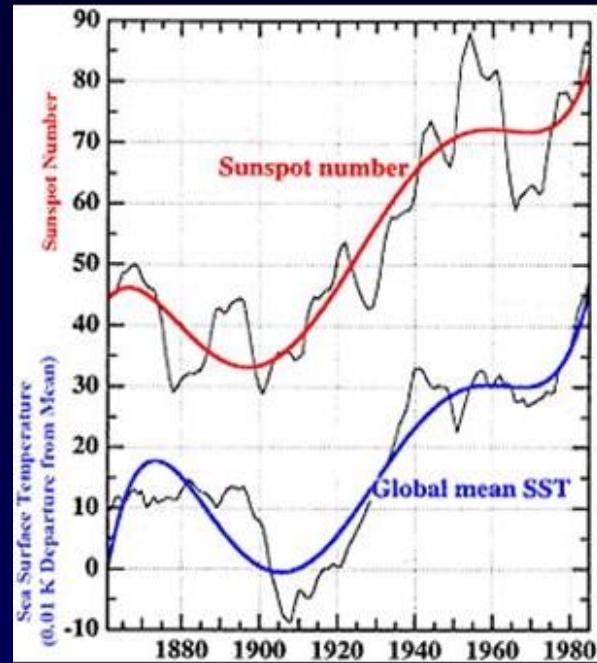
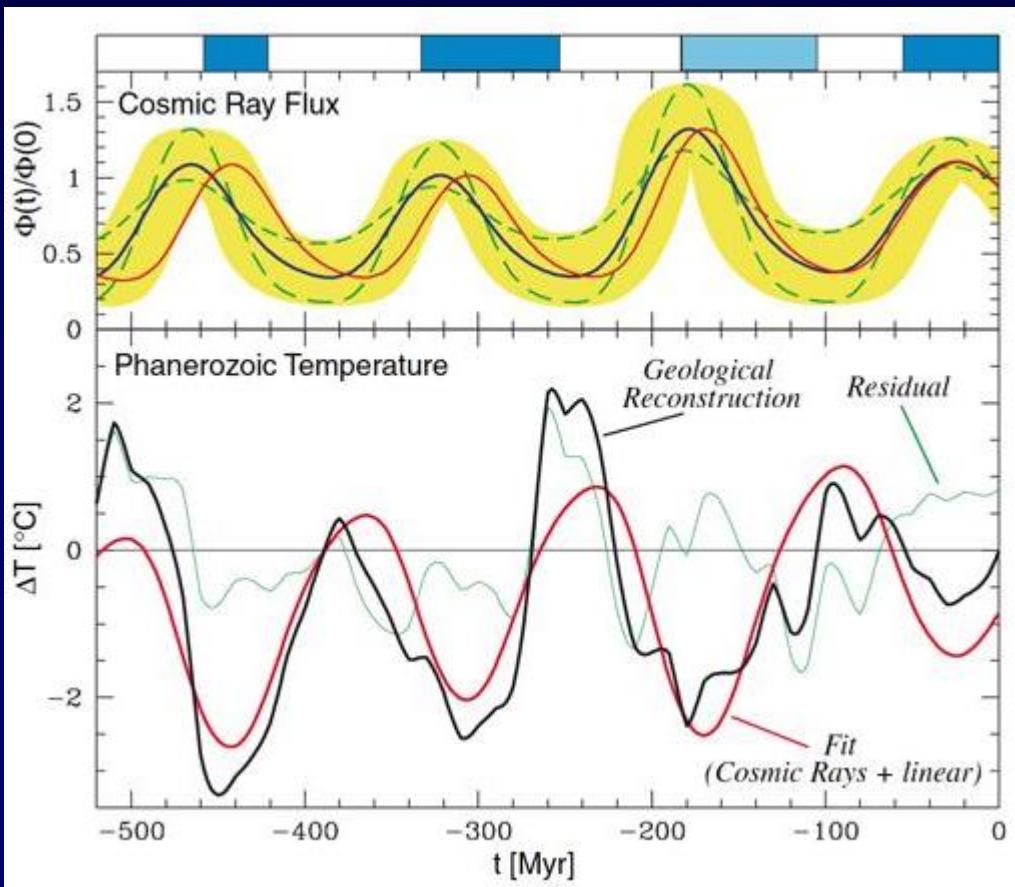
Vpliv na Zemljo







Vpliv na klimu





HVALA NA POZORNOSTI !