

'Svemirska meteorologija': Kako predvidjeti Sunčeve oluje?

Bojan Vršnak

Opservatorij Hvar, Geodetski fakultet

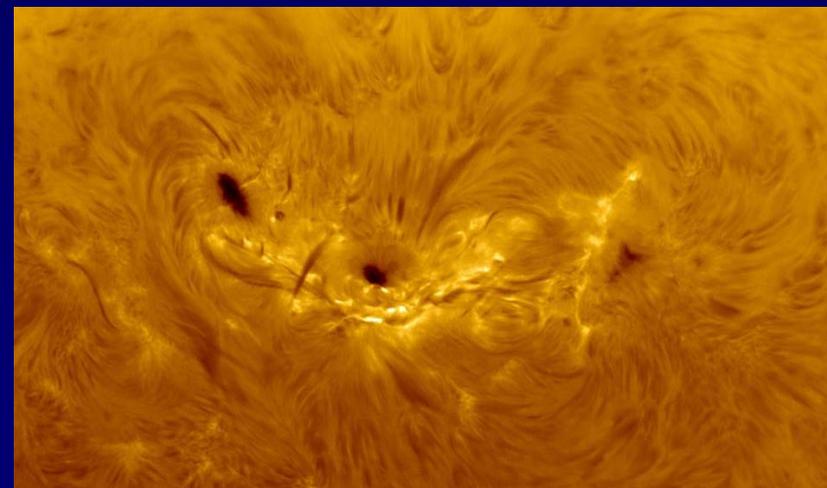
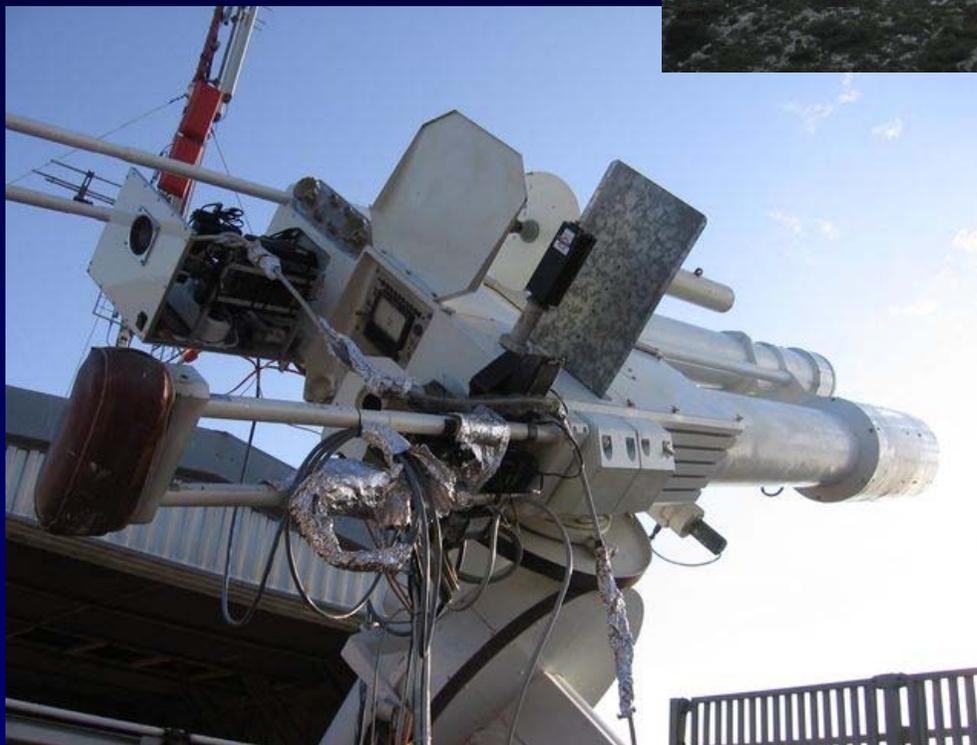


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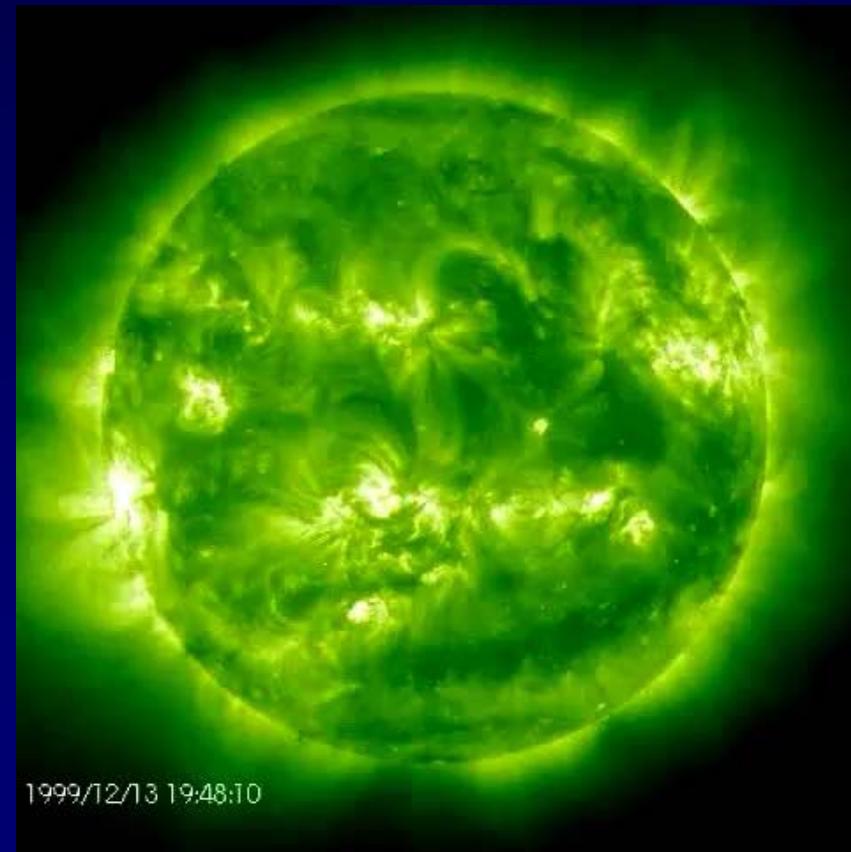
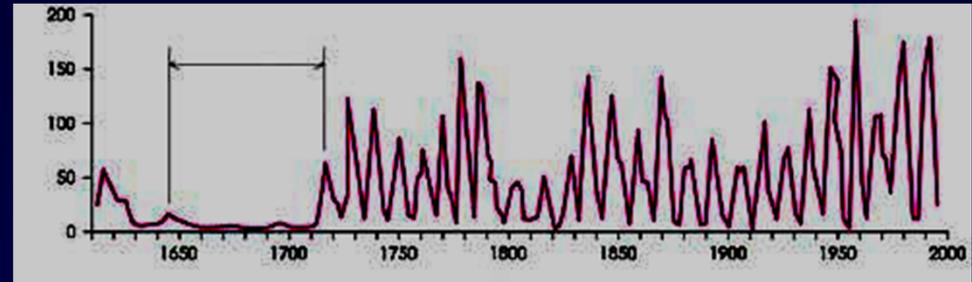
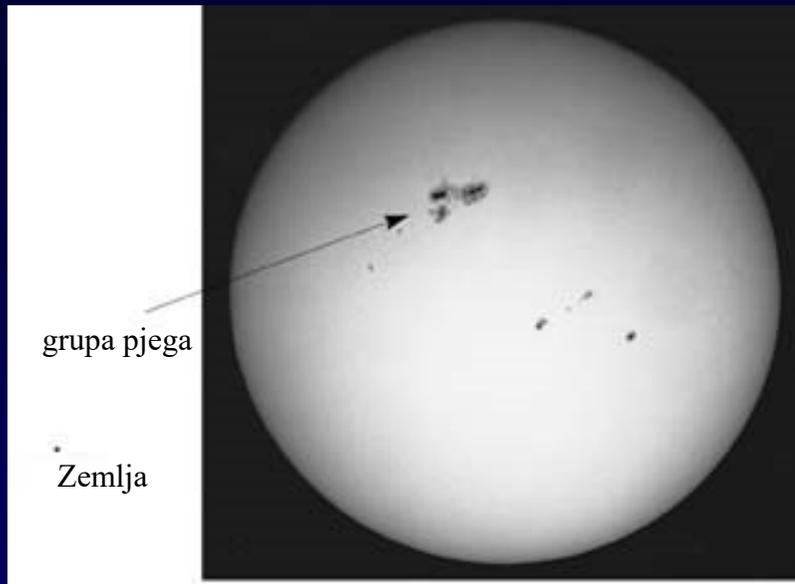




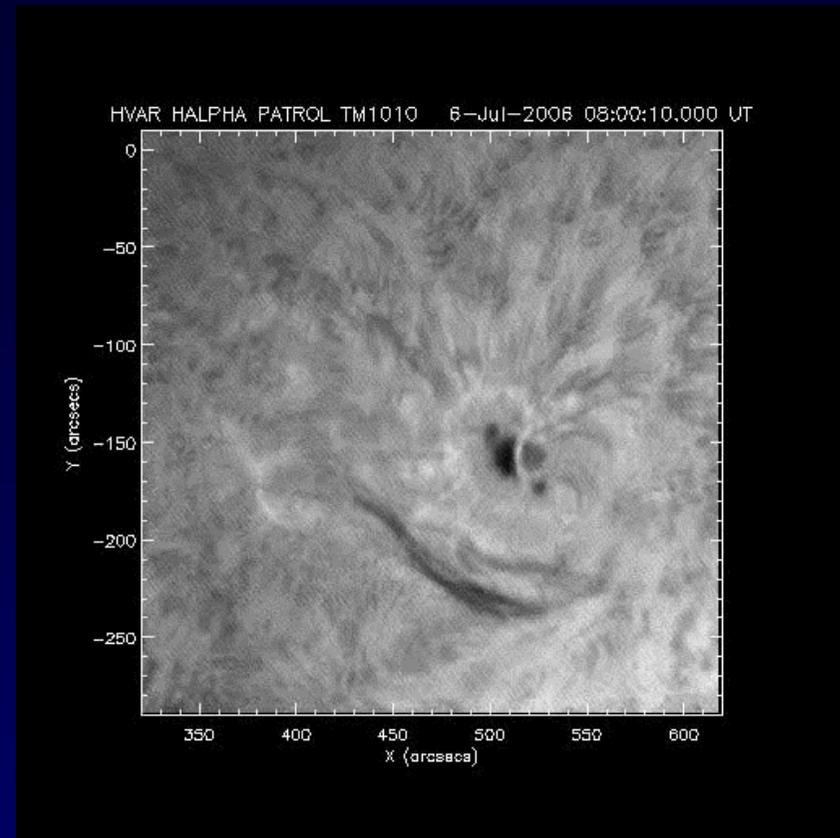
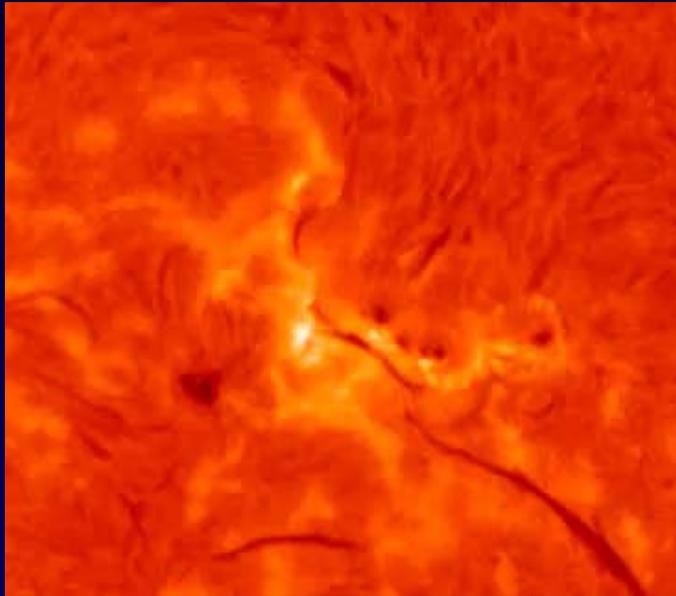
Hvarski solarni teleskop



Sunčeva aktivnost

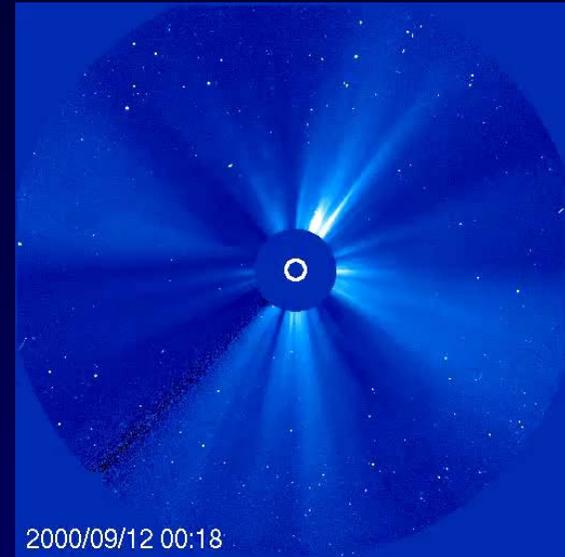
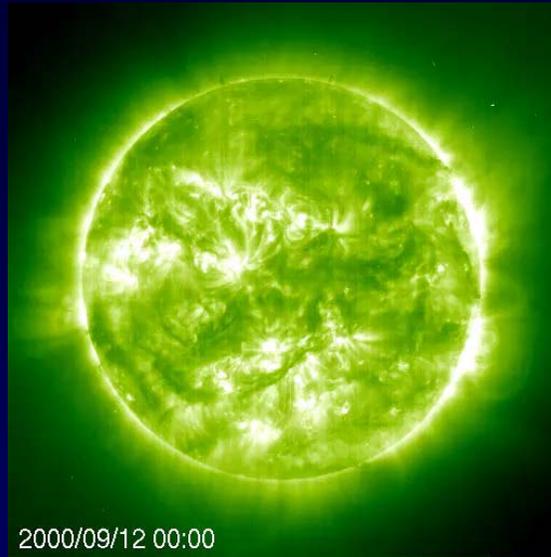
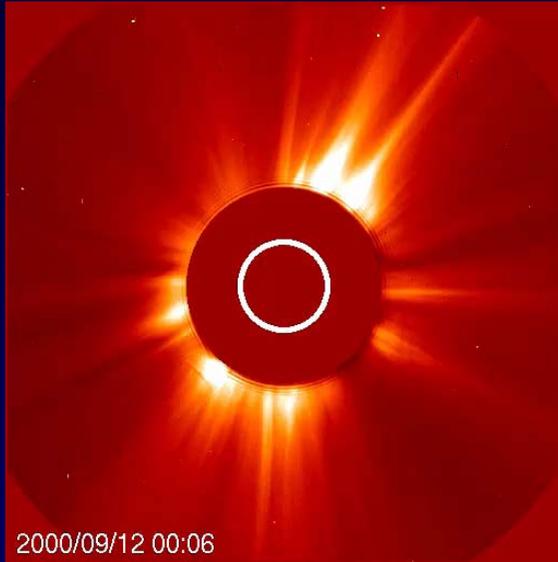


Sunčevi bljeskovi



- 40 milijuna K
- snopovi čestica
- radio i X zračenje

Sunčeve erupcije (koronini izbačaji)



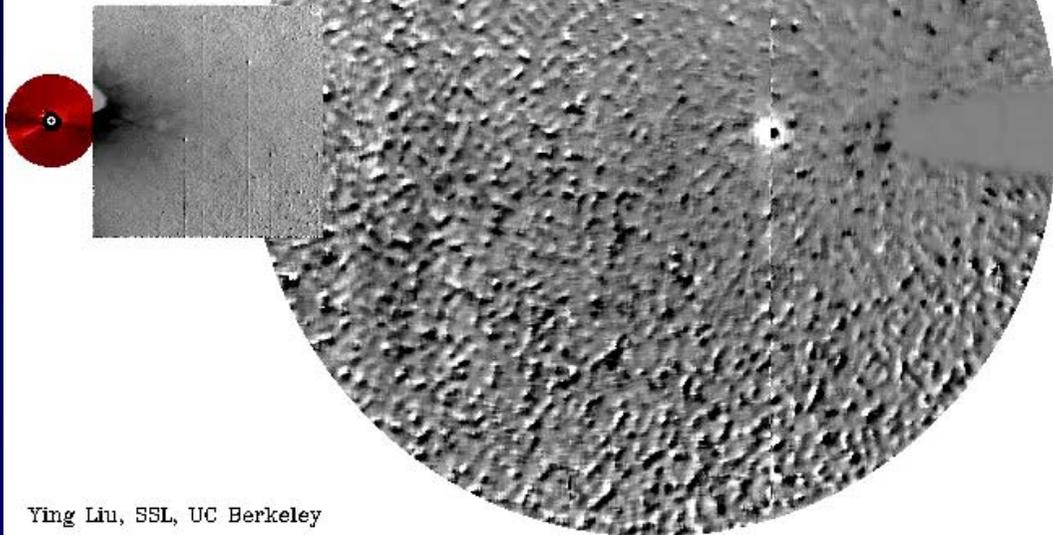
brzine = 1000 km/s
masa = nekoliko milijardi tona
energija = 100 milijardi A-bombi

STEREO B 08/12/12

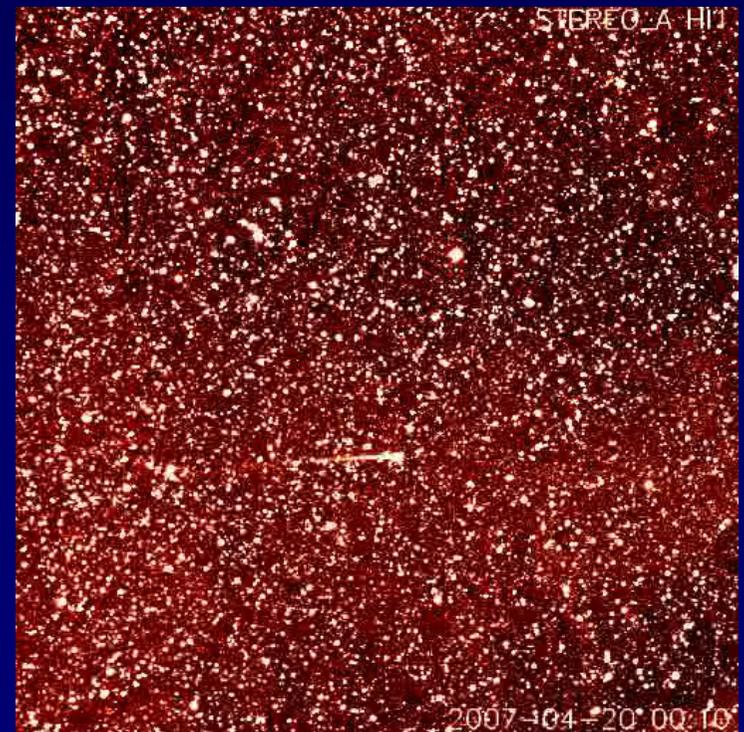
COR2: 02:08:05

HI1: 02:09:36

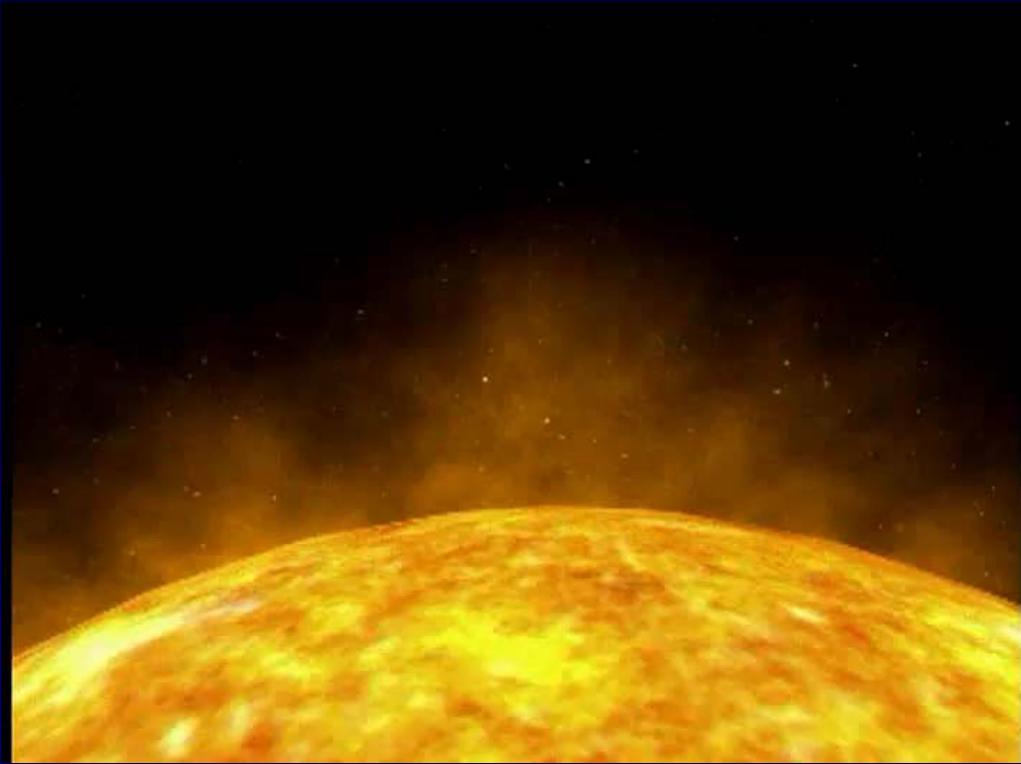
HI2: 02:09:56

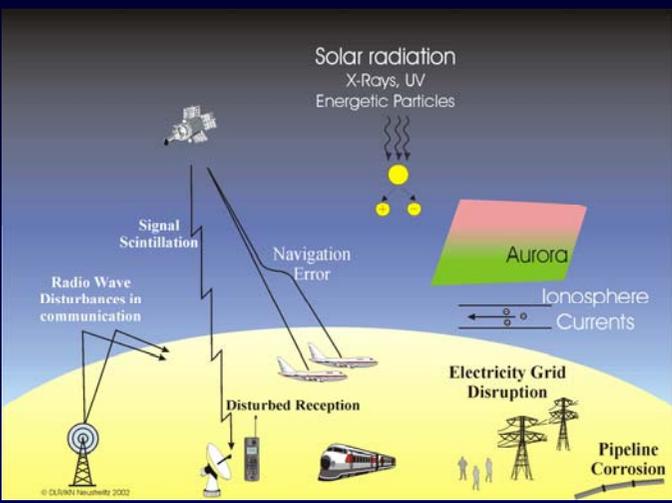
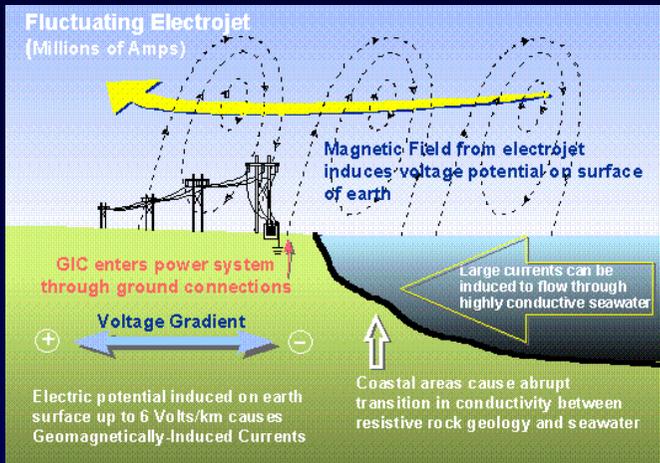


Ying Liu, SSL, UC Berkeley



Utjecaja Sunčeve aktivnosti na Zemlju





PJM Public Service Step Up Transformer
Severe internal damage caused by the space storm of 13 March, 1989

A large space storm in 1989 caused currents which damaged this transformer and shut off power for six million people for nine hours.



Polarna svjetlost u Slavoniji, s nimio M. Karakaš, 20. studenog 2003.



HVALA NA PAŽNJI !

