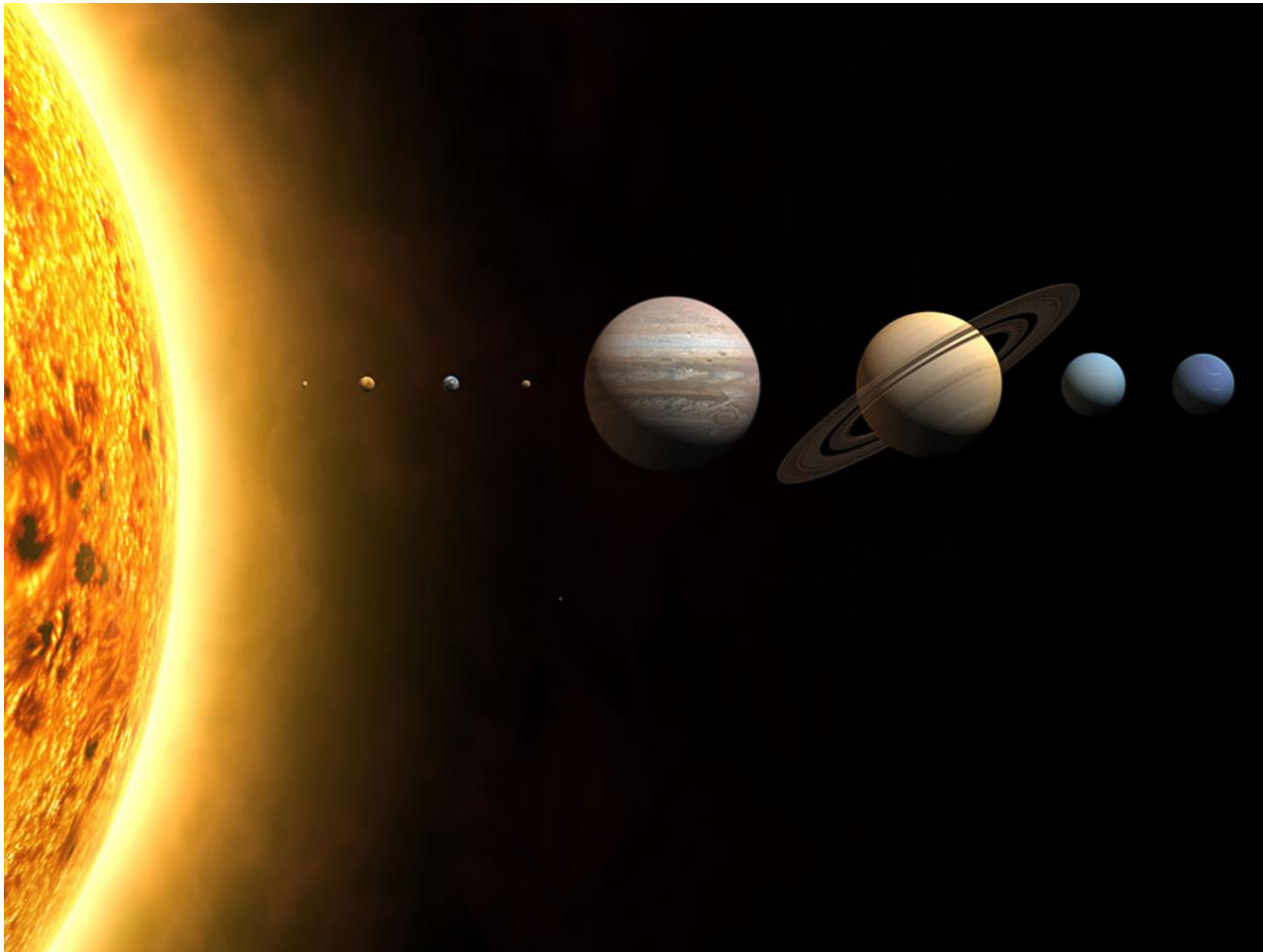


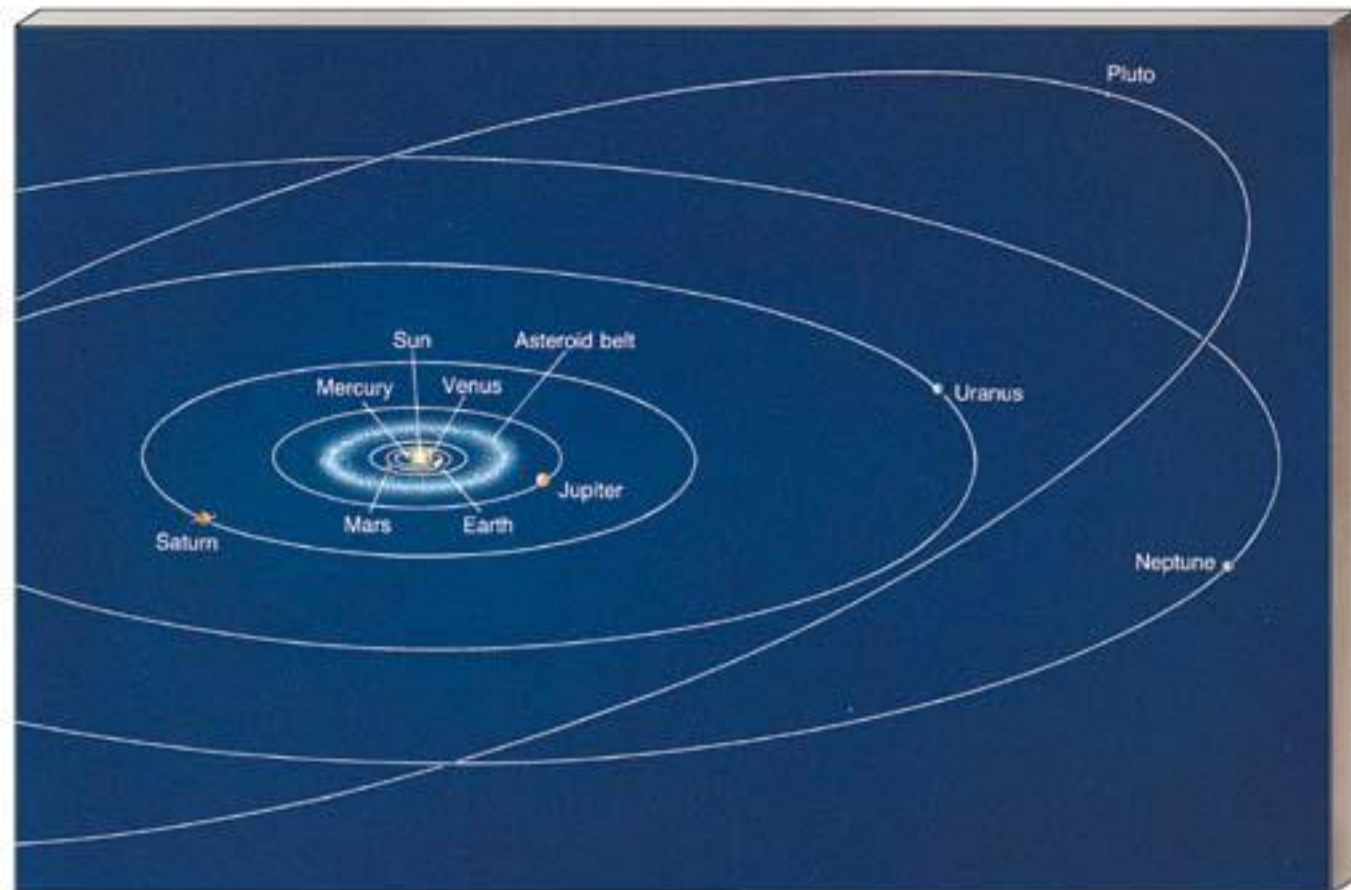
# AGA100

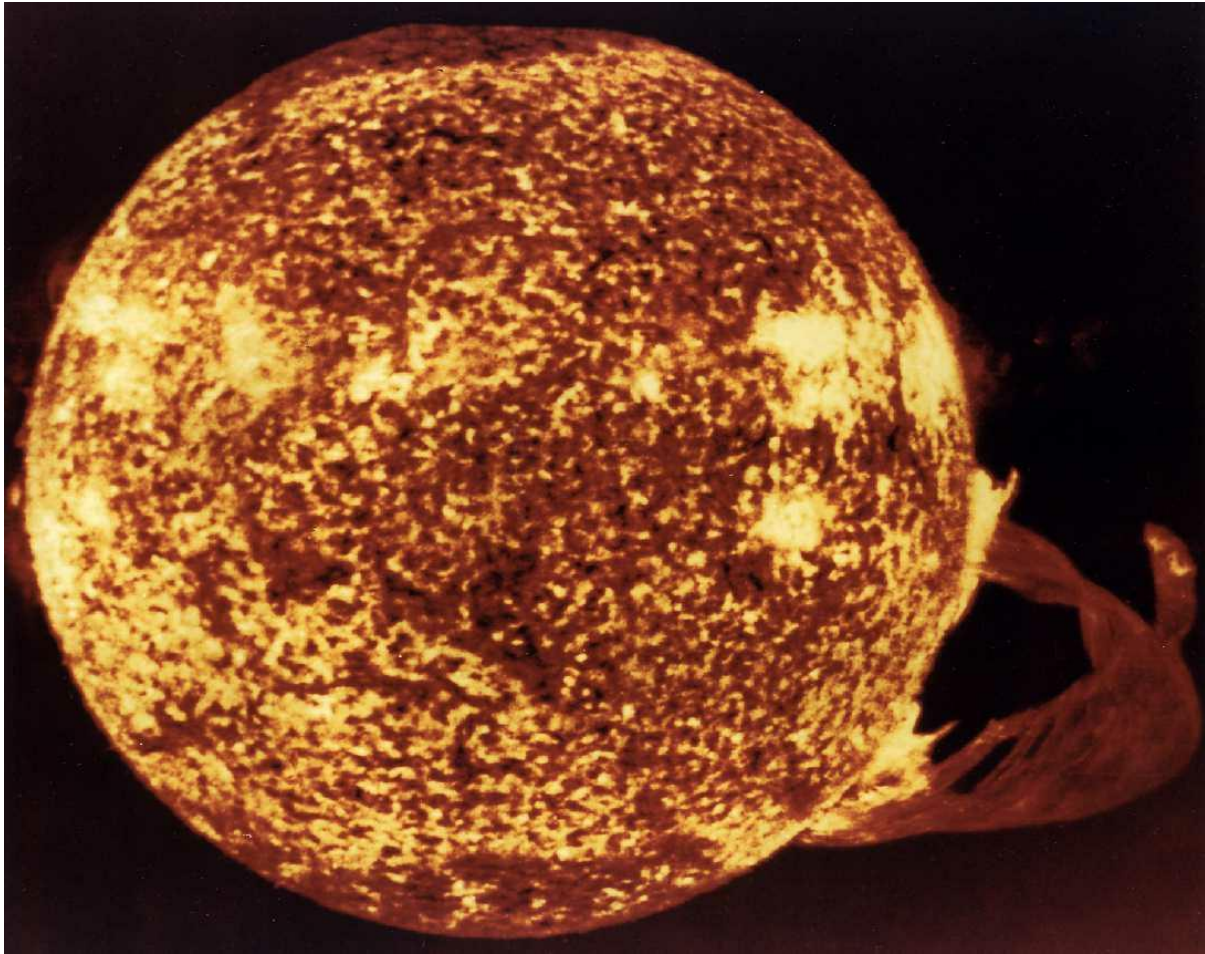
## 2 – 0 sistema solar

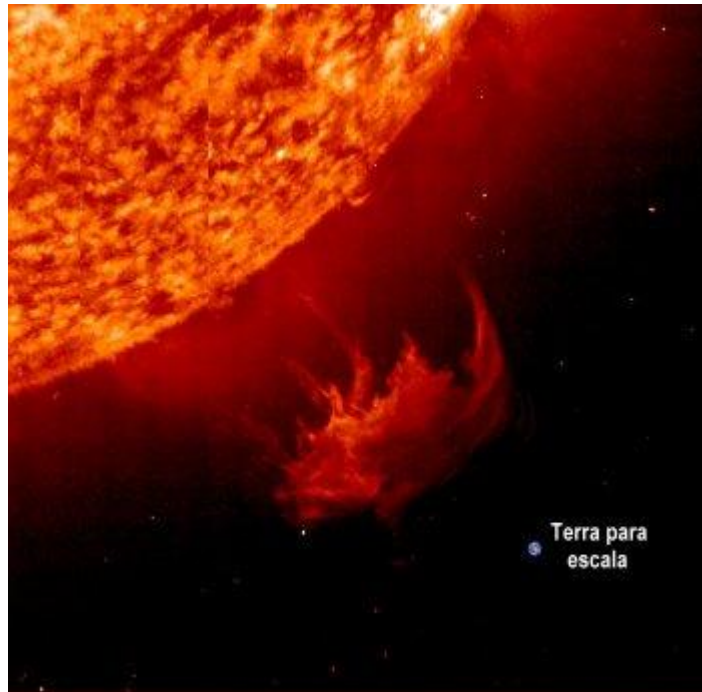


# AGA0100

- 2.1 –o Sol

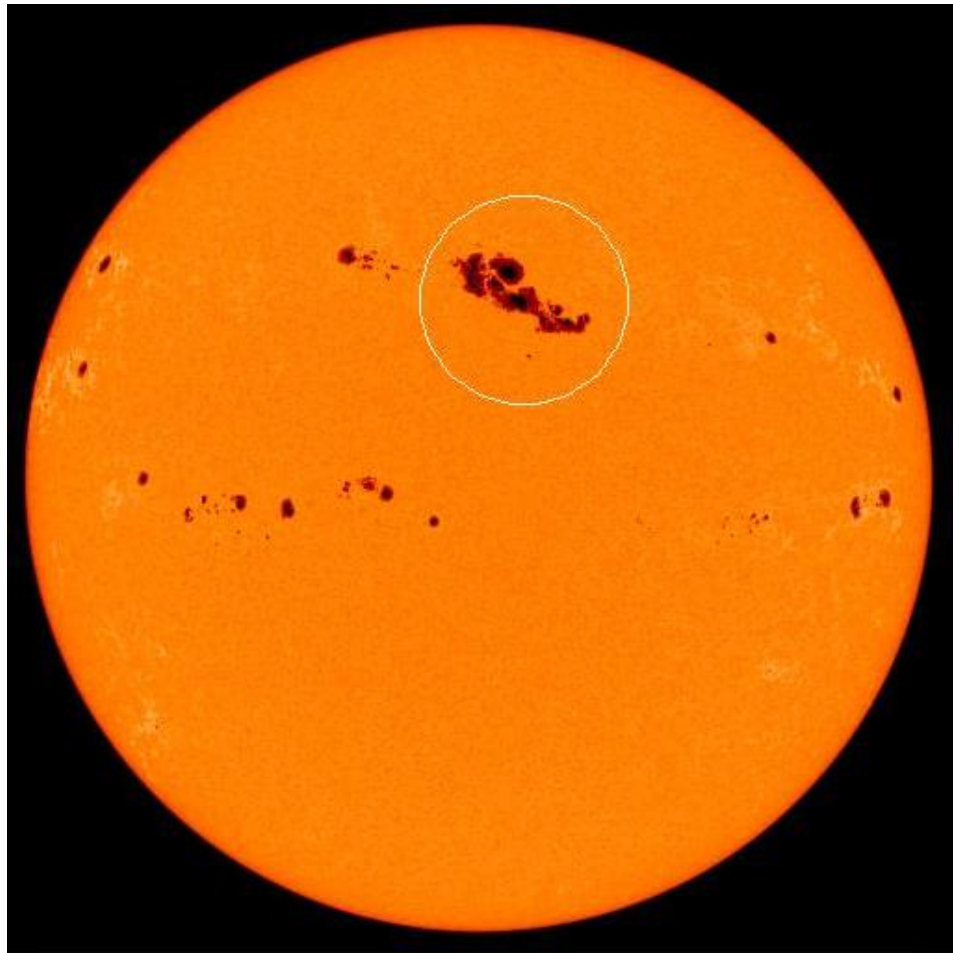






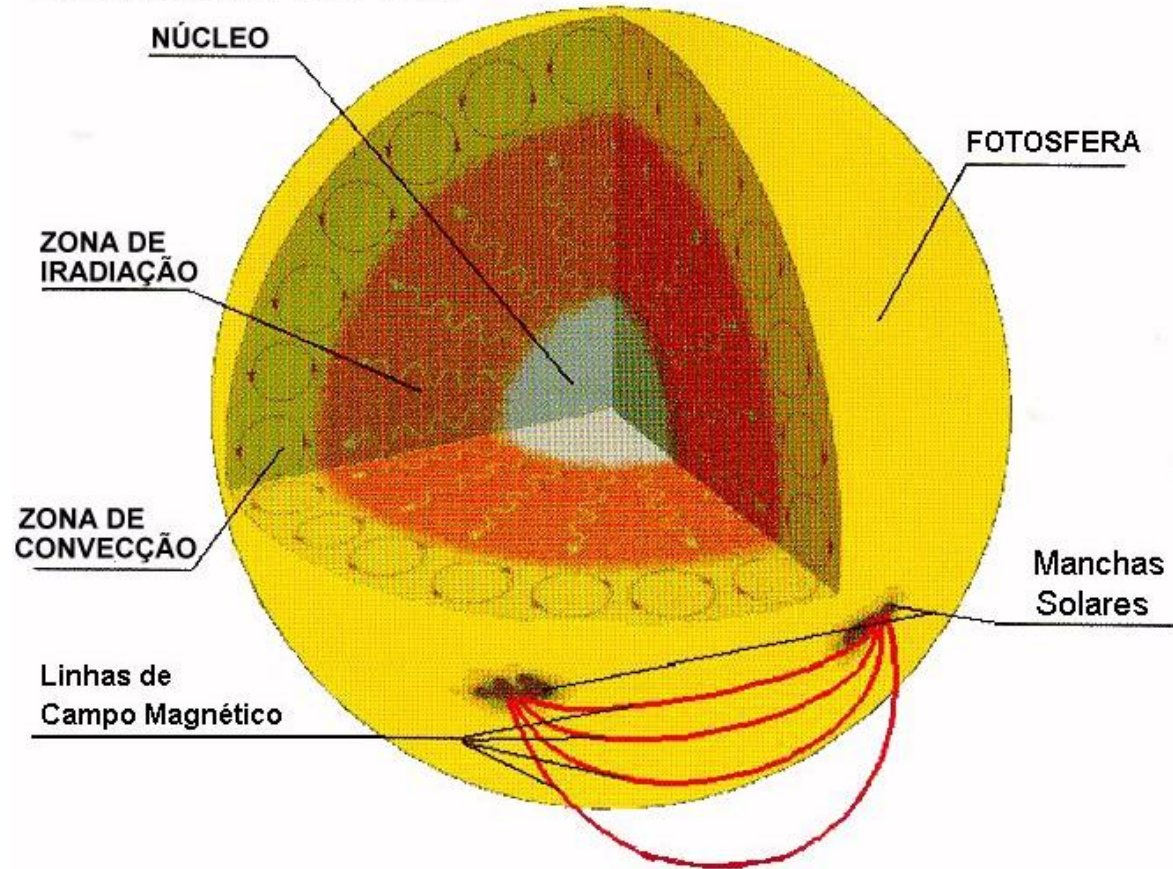
# Manchas solares

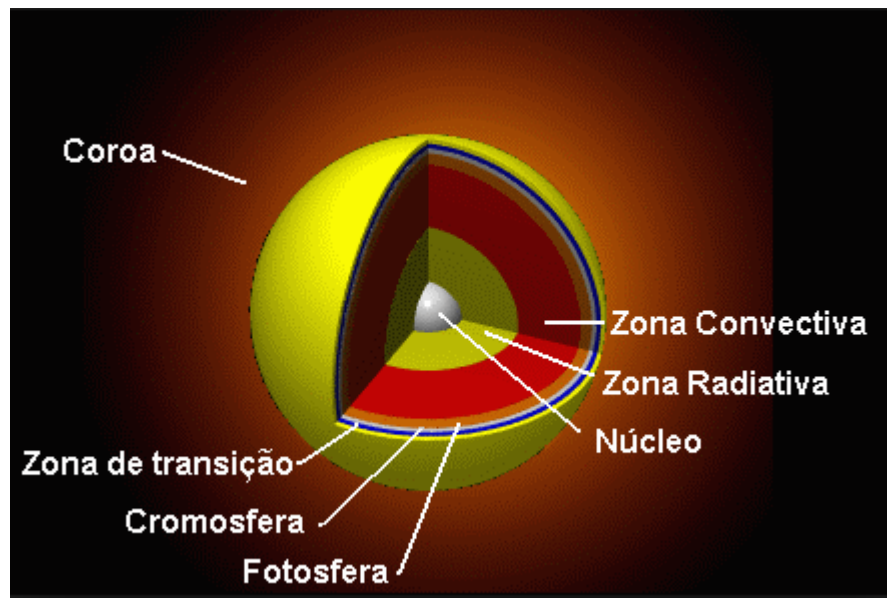
- Descobertas por Galileu (1609)
- Ciclo de 11 anos





# Estrutura do Sol





## A origem da energia solar

- - Energia gravitacional: mecanismo de Kelvin-Helmholtz
- - Escalas de tempo 100 milhões versus 4,6 bilhões de anos
- - Fusão termonuclear: Transformação de hidrogênio em hélio
- -O Sol tem 5 bilhões de anos. Viverá outros 5 com propriedades semelhantes às de agora.