

# The Eclipse "Fever": being always open to new science

AAS Eclipse Workshop Sept 29-30, 2023 Costantino Sigismondi sigismondi@icra.it  
San Antonio, TX *in memoriam of J. M. Pasachoff and S. Koutchmy*

The *eclipse fever* is related to an intense preparation to observe this event.



Strong gratifications & delusions are possible also in sunsets, sunrises, planetary & meridian transits, equinoxes, solstices...always related to Celestial Mechanics and *Solar Astrometry*, when a passage through a line is timed to get the solar diameter. Why the fever? Here my answers



Jay M. Pasachoff  
(1943-2022)

Serge Koutchmy  
(1940-2023)

Two Great Scientists who prepared new science for every eclipse, for 60 years!

Photo: S&T 2004



Art & Celestial Mechanics  
@ S. Maria degli Angeli, Rome

The Sun before  
the 2023 Fall equinox

on the 1702 Great Meridian Line

1. Good observations stands forever (H. Shapley)
2. Astronomical events are unique in spacetime
3. A scientific campaign is a logistic/economic effort
4. Eclipses are opportunities for solar limb & corona physics
5. The *Dark Sun* and its environment are unforgettable
6. Eclipse and ... beauty chasers!

The geometrical order of Nature is beauty  
Codex Vindobonensis 2554, f.1 verso