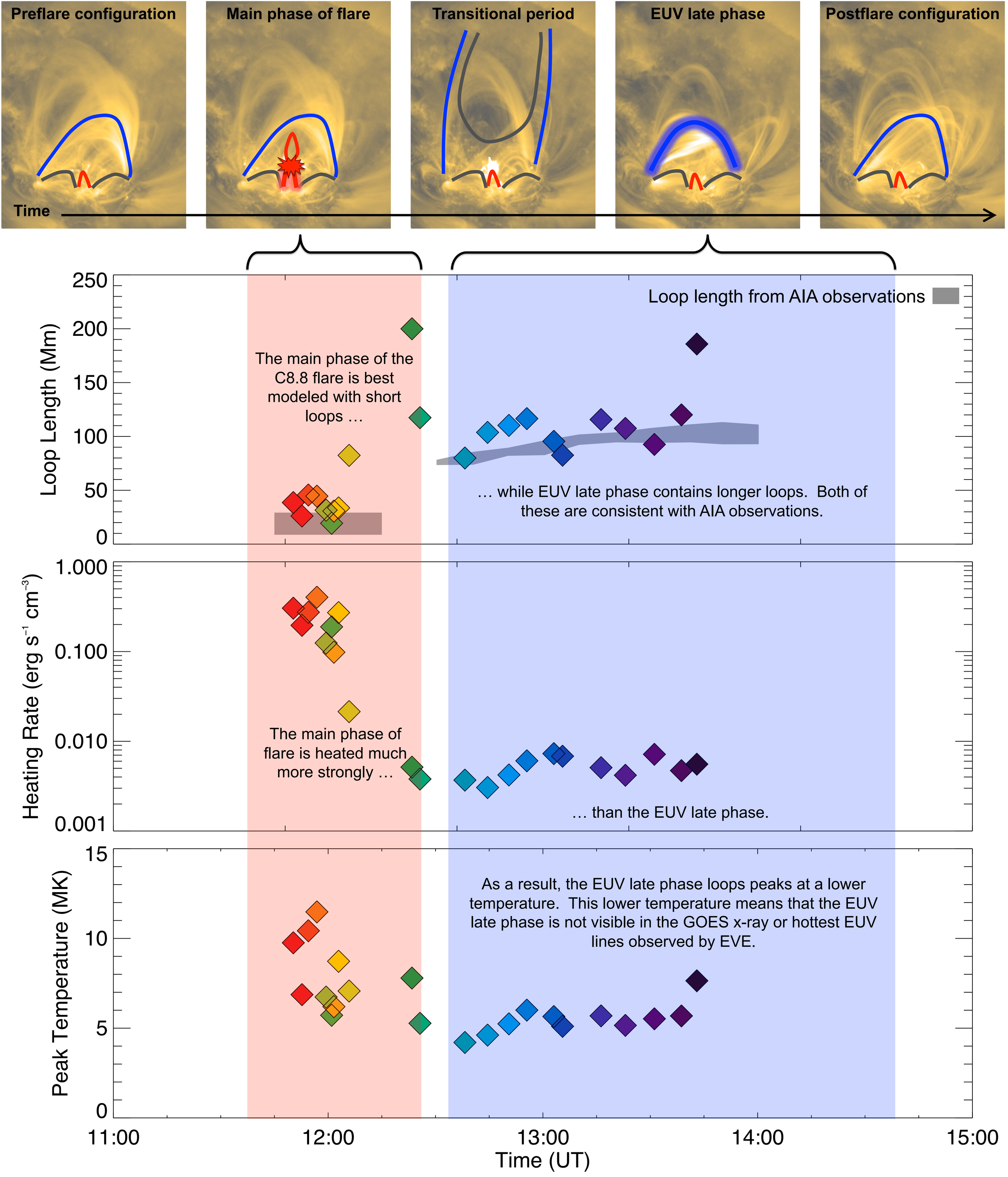
Preflare configuration
Main phase of flare
Transitional period
EUV late phase
Postflare configuration
Time
Loop length from AIA observations
The main phase of the C8.8 flare is best modeled with short loops …
… while EUV late phase contains longer loops. Both of these are consistent with AIA observations.
The main phase of flare is heated much more strongly …
… than the EUV late phase.
As a result, the EUV late phase loops peaks at a lower temperature. This lower temperature means that the EUV late phase is not visible in the GOES x-ray or hottest EUV lines observed by EVE.
Loop Length (Mm)
Heating Rate (erg s^{-1} cm^{-3})
Peak Temperature (MK)
Time (UT)
11:00
12:00
13:00
14:00
15:00