

The Sunny Day of A Venetian Tourist

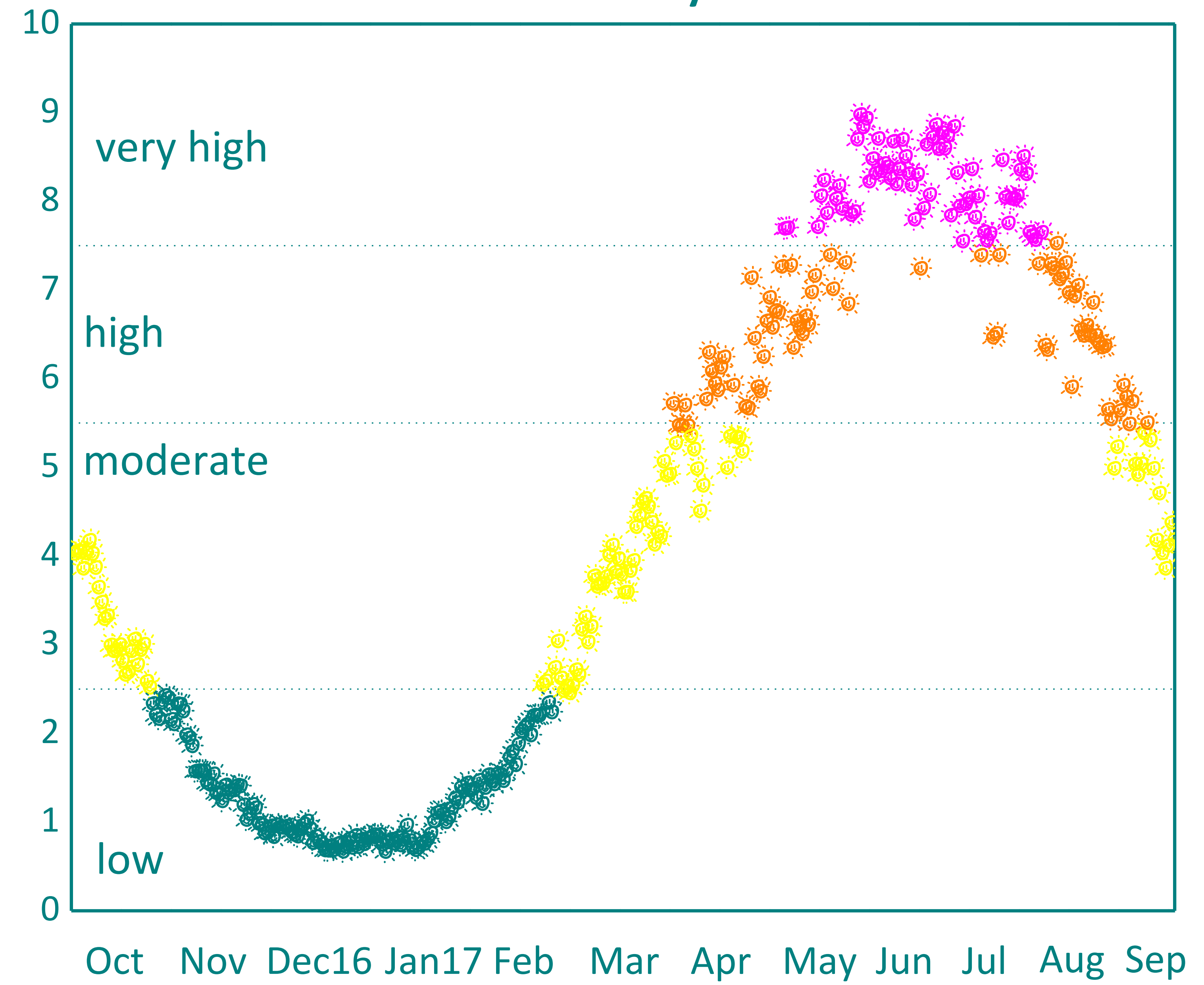


The UV Index (UVI) is a measure of the amount of UV radiation valid for clear-sky conditions and at local solar noon. It is an estimation of the UV levels that are important for the effects on the human skin.

UV Index is given in the power per unit area received from the Sun, in the form of electromagnetic radiation, and in the wavelength range of the so-called UVA and UVB radiation (280-400 nm); 1 UVI unit equals 25 mW/m².

UVI does not say much about the erythemal (sunburn)UV dose: the total amount of UV that actually can reach the human skin during the day. This information can be extracted from the measure of individual exposure to sun's UV radiation – a **personal solar UVI**.

UV Index in the City of Venice



Wearable Personal UV Dosimeters

- Lightweight 19 g
- High Sampling Rate
- UVI datalog, Integrated Dose, Dose Rates



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Some Sunny Days in Venice (June – September 2017)

Legend and explanations:

toT = total time (duration) of exposure

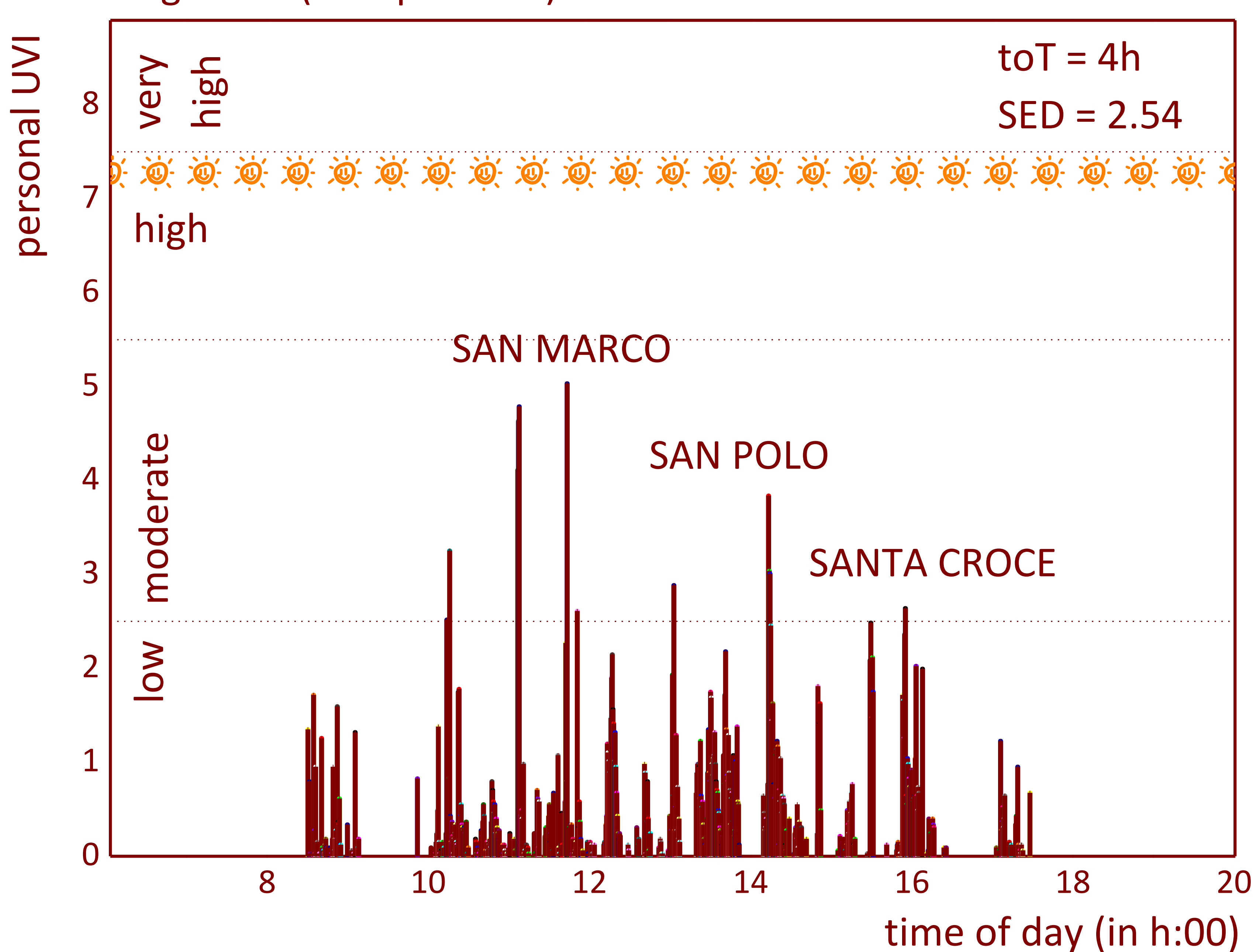
SED* = total Standard Erythemal Dose for the day

*The interaction of UV radiation with human skin is considered a photochemical interaction, where the high level exposure for a short period is having the same effect as the low-level exposure for a prolonged time. This is why, in the consideration of skin sunburn (erythema), it is the so-called radiant exposure, the product of the personal solar UVI and exposure time that is important. This product is usually given in SED, the standard dose independent of a skin type. **Usually 2 SED can give you a sunburn.**

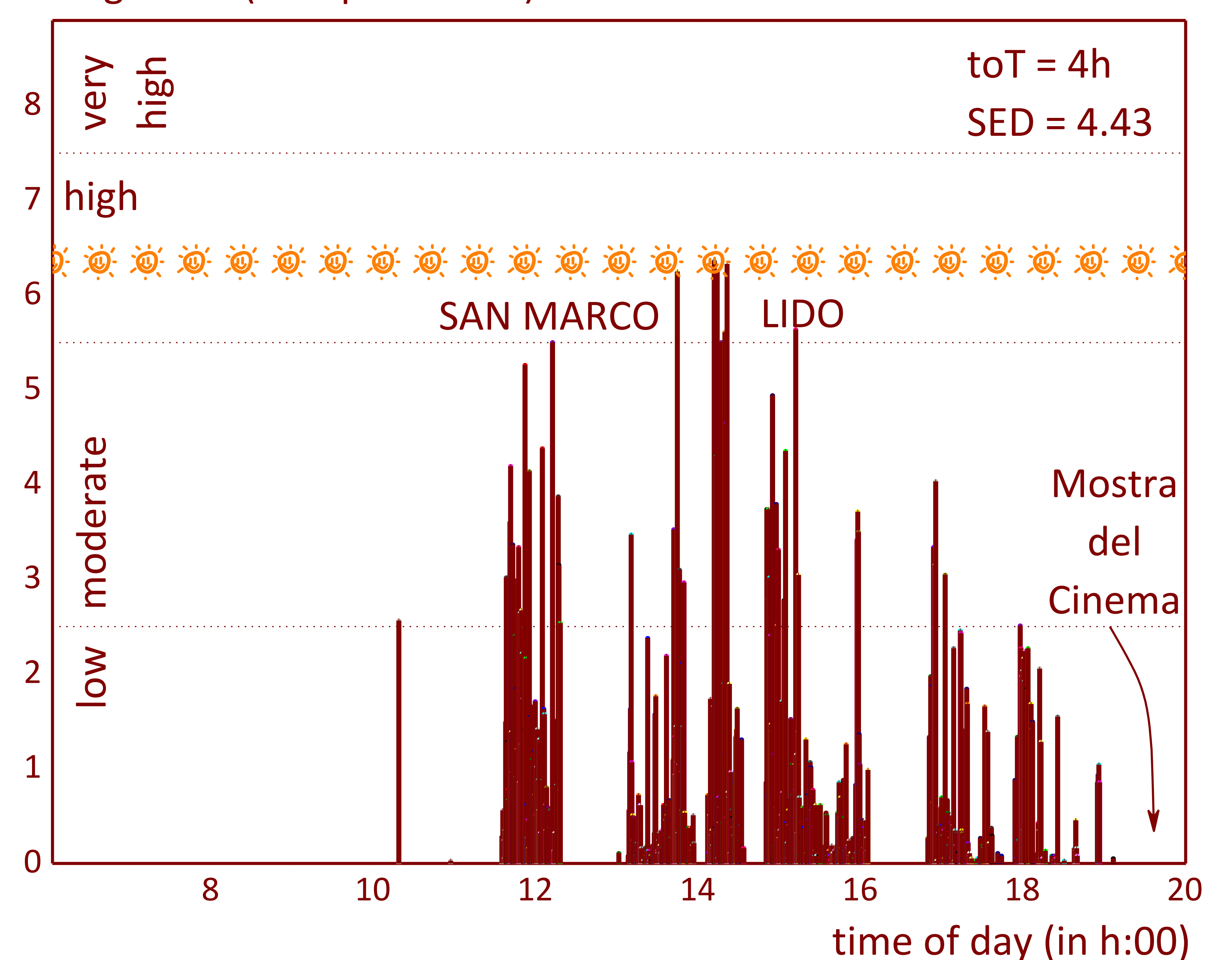
☀ = maximum recorded UVI (at solar noon) in the city of Venice at the particular day.

walk around town

August 13 (max pUVI = 5)

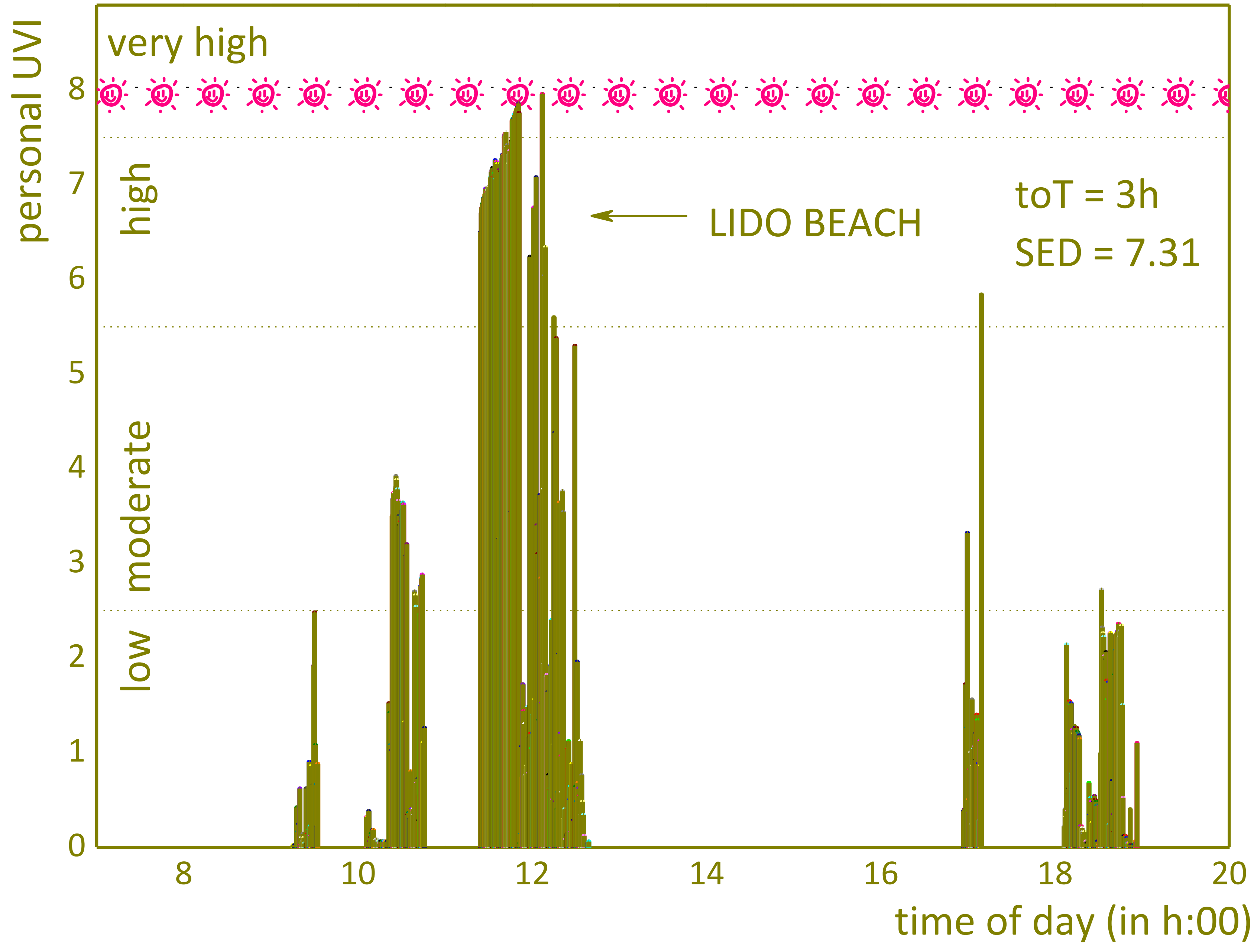


August 31 (max pUVI = 6.5)

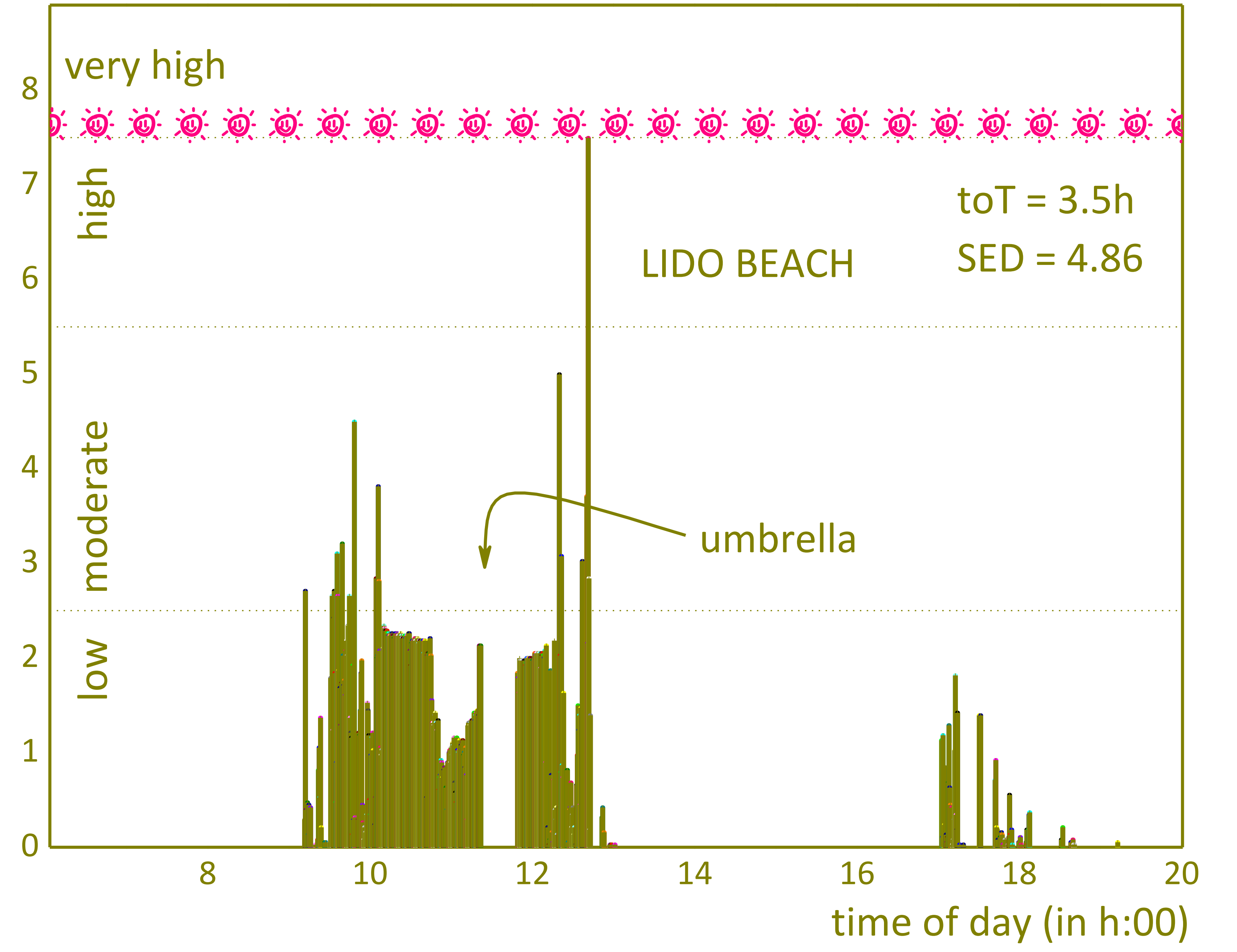


beach

August 1 (max pUVI = 8)

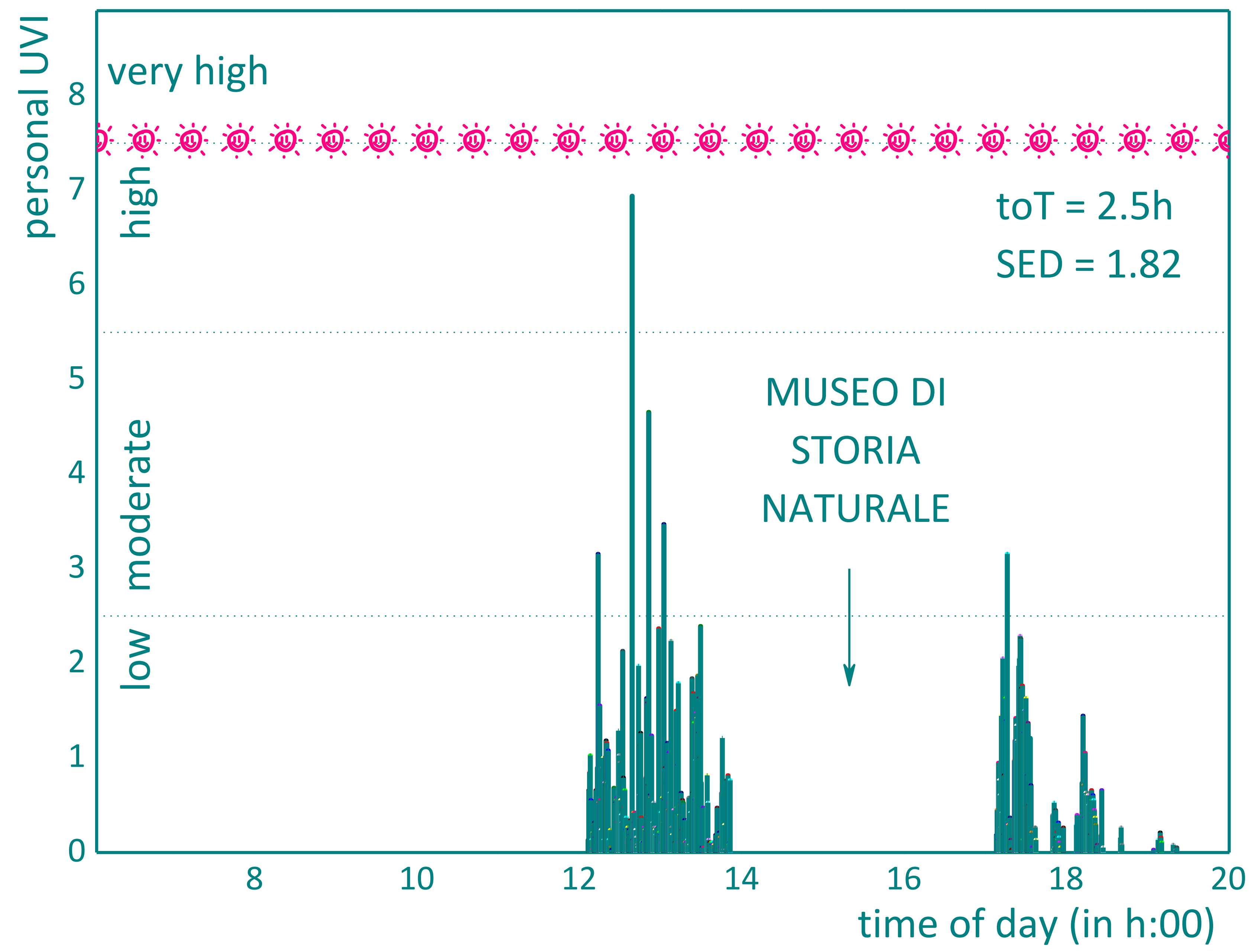


August 6 (max pUVI = 7.1)

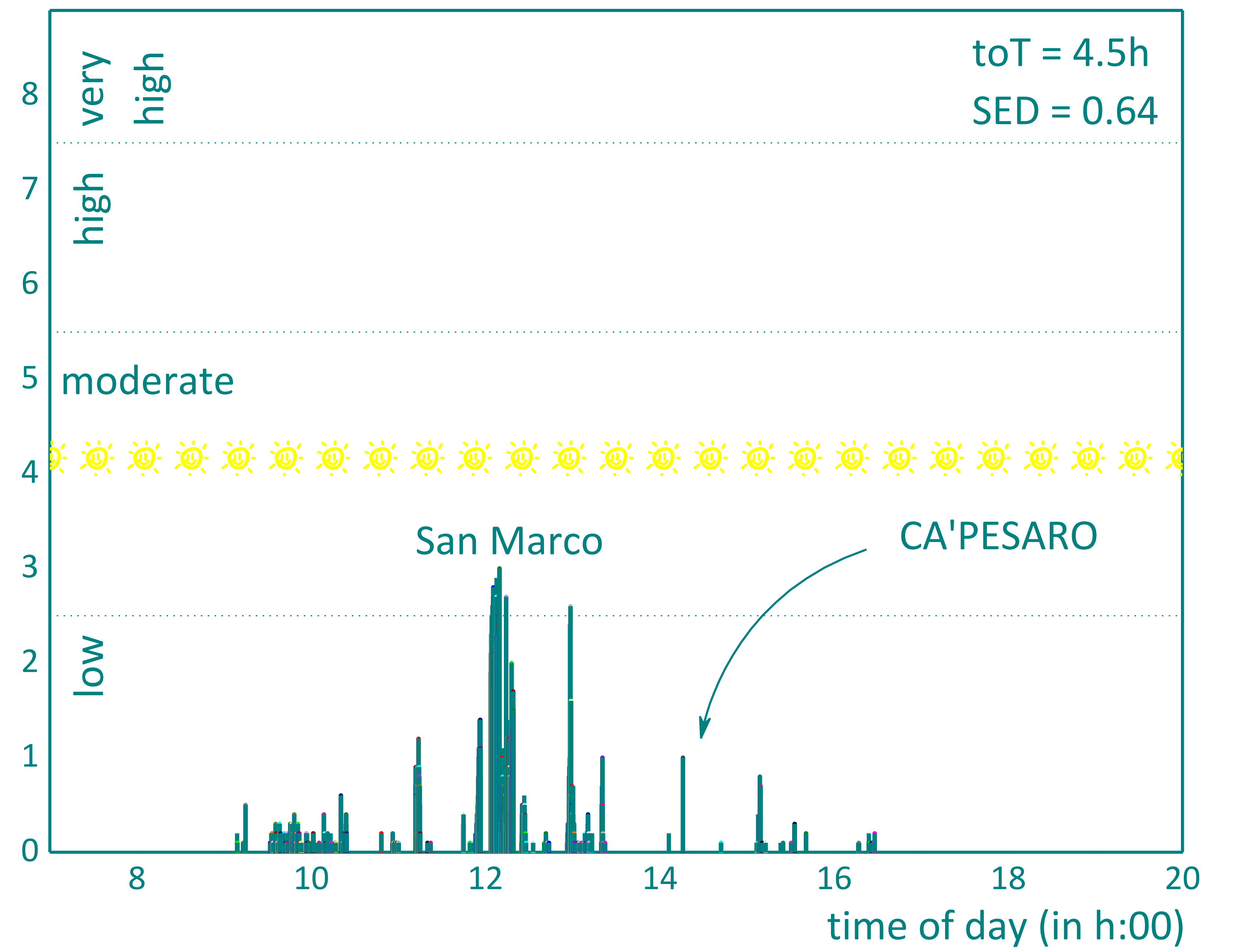


museums

July 15 (max pUVI = 6.9)

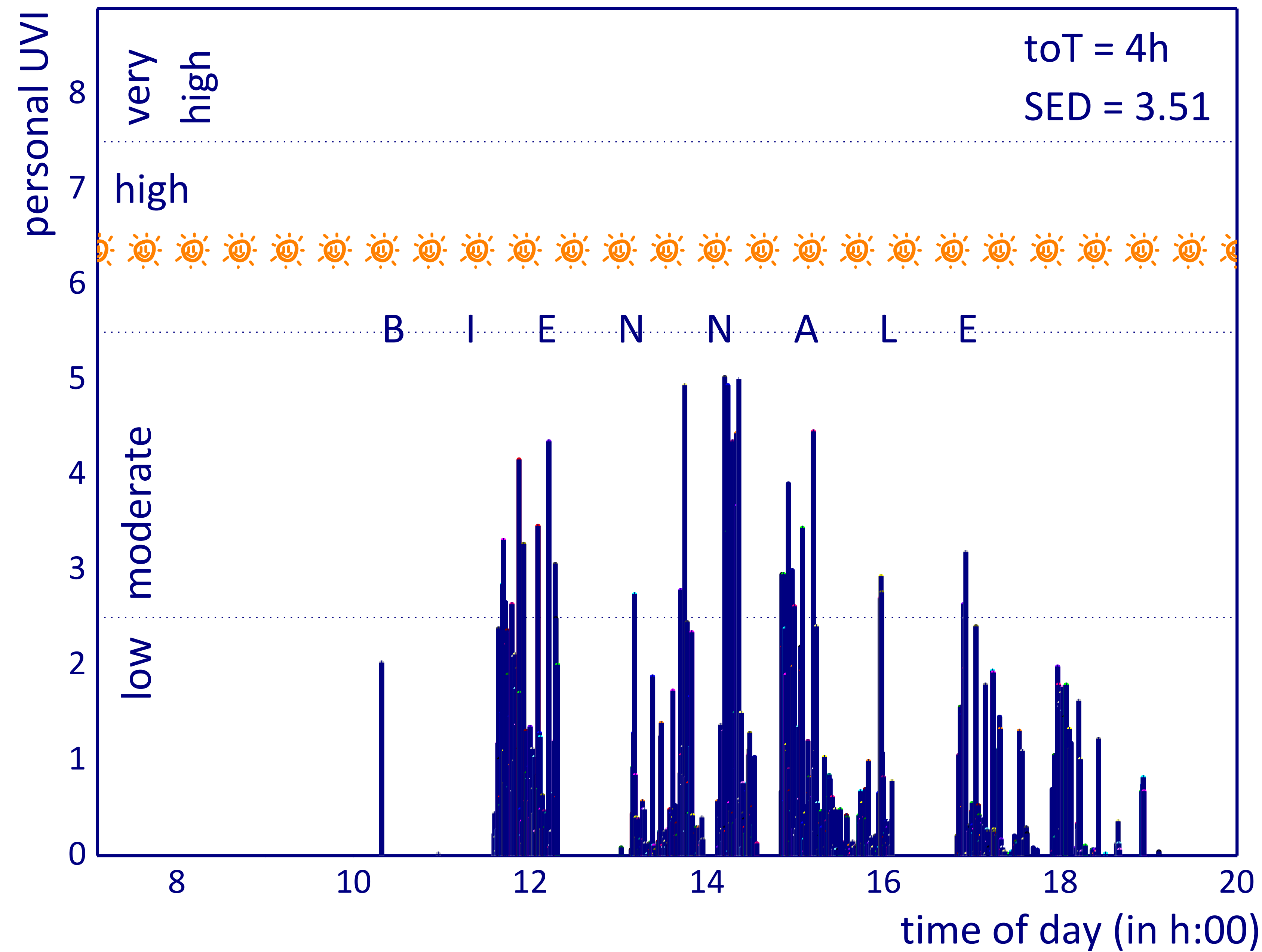


September 23 (max pUVI = 2.9)

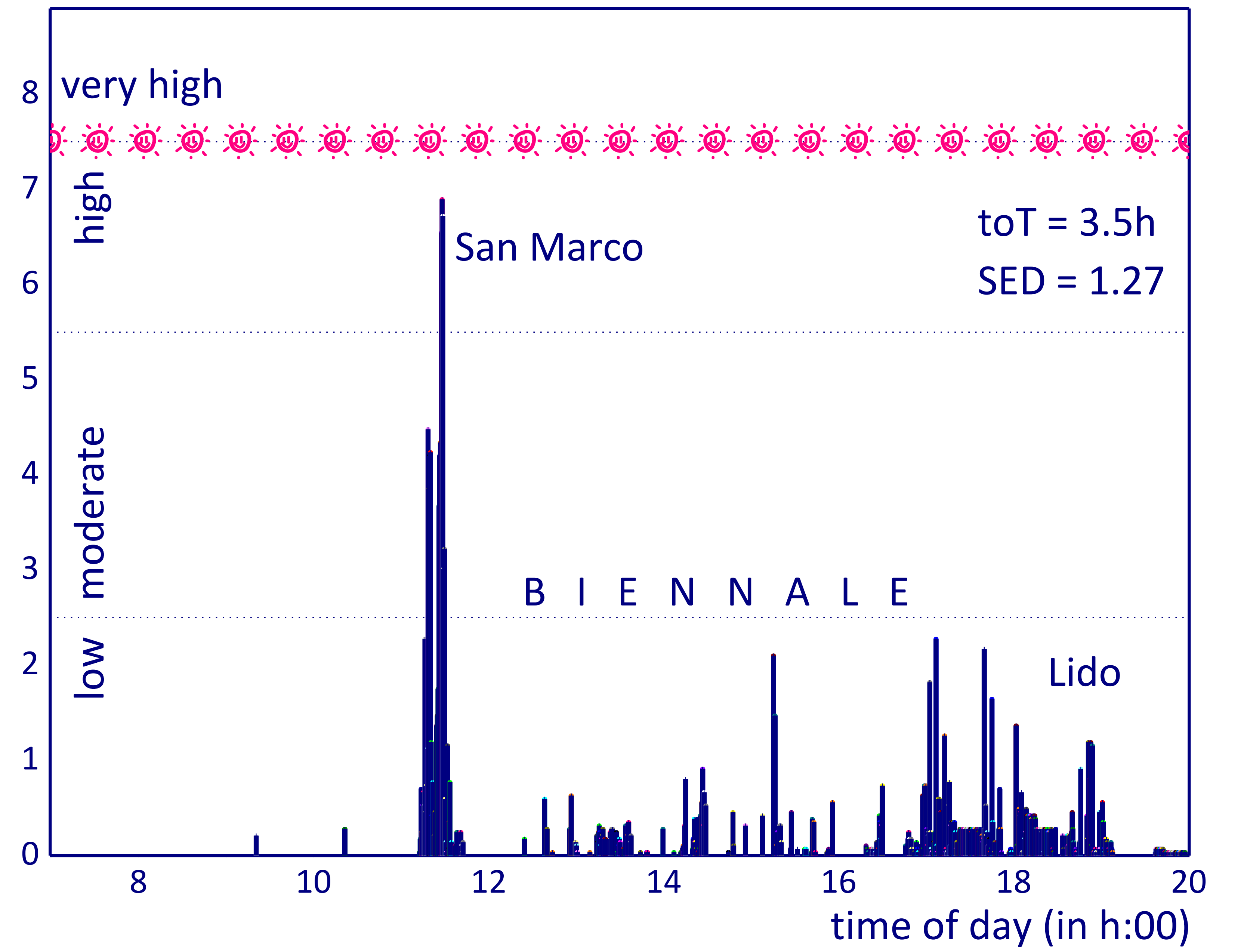


Viva Arte Viva

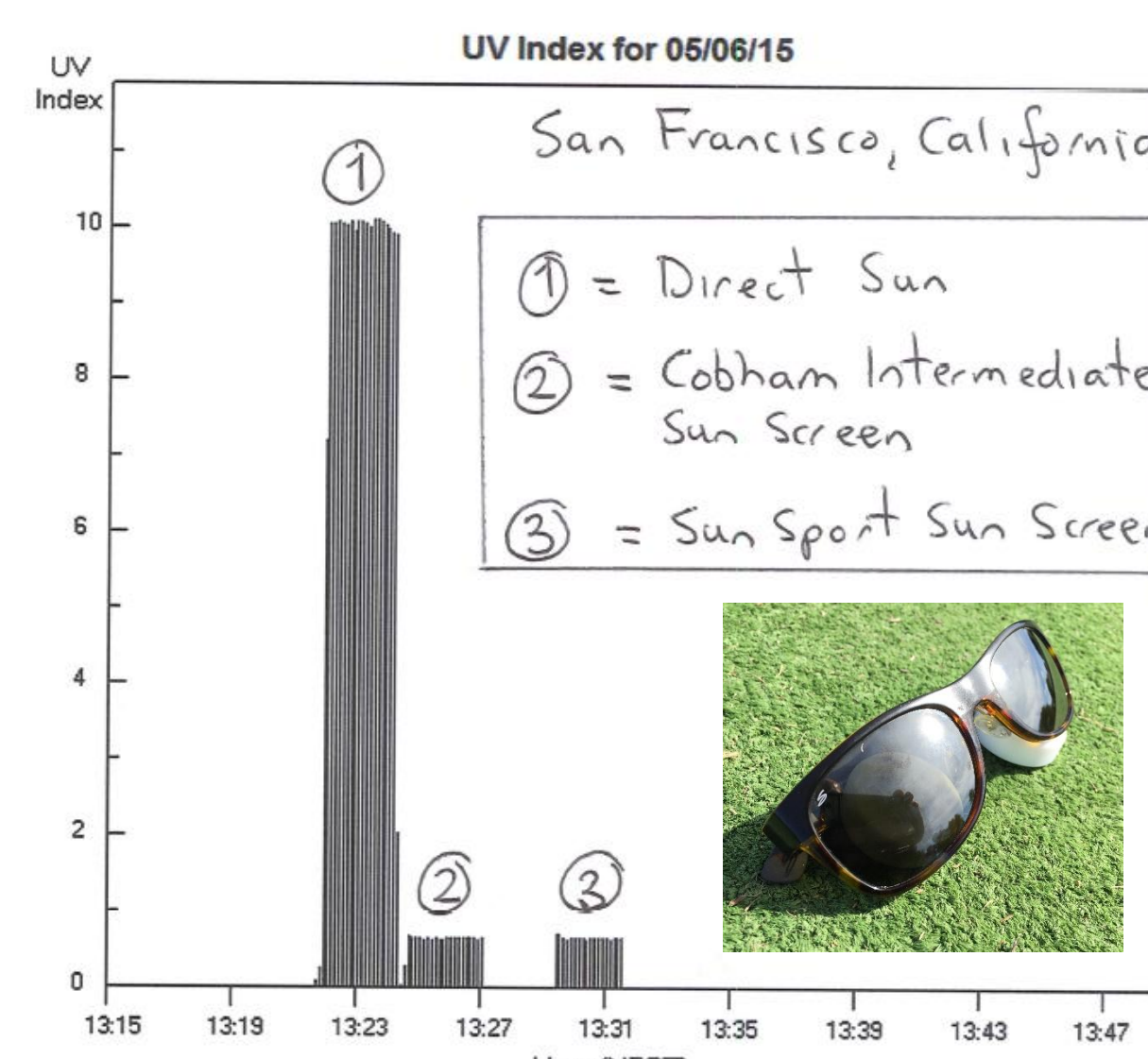
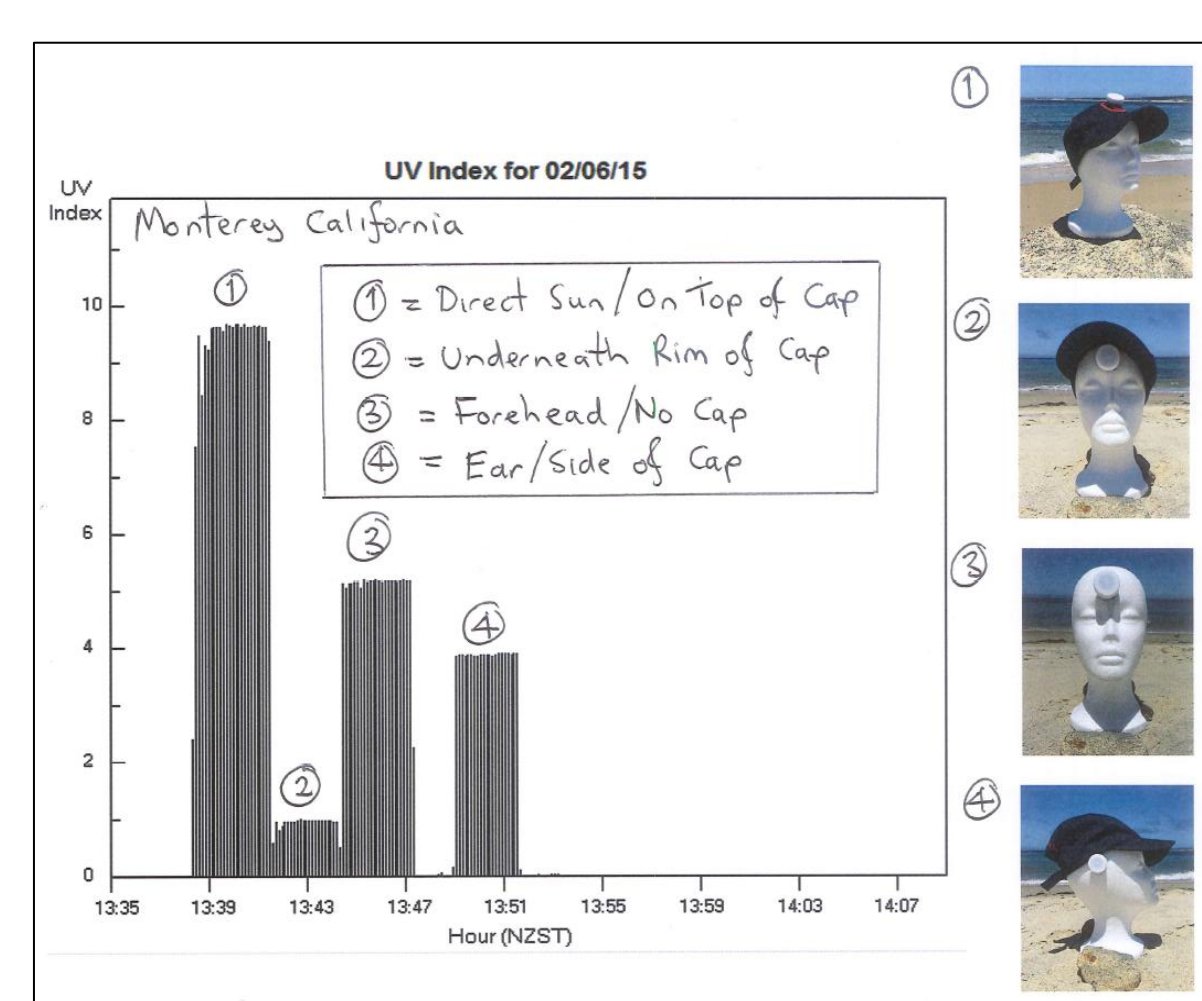
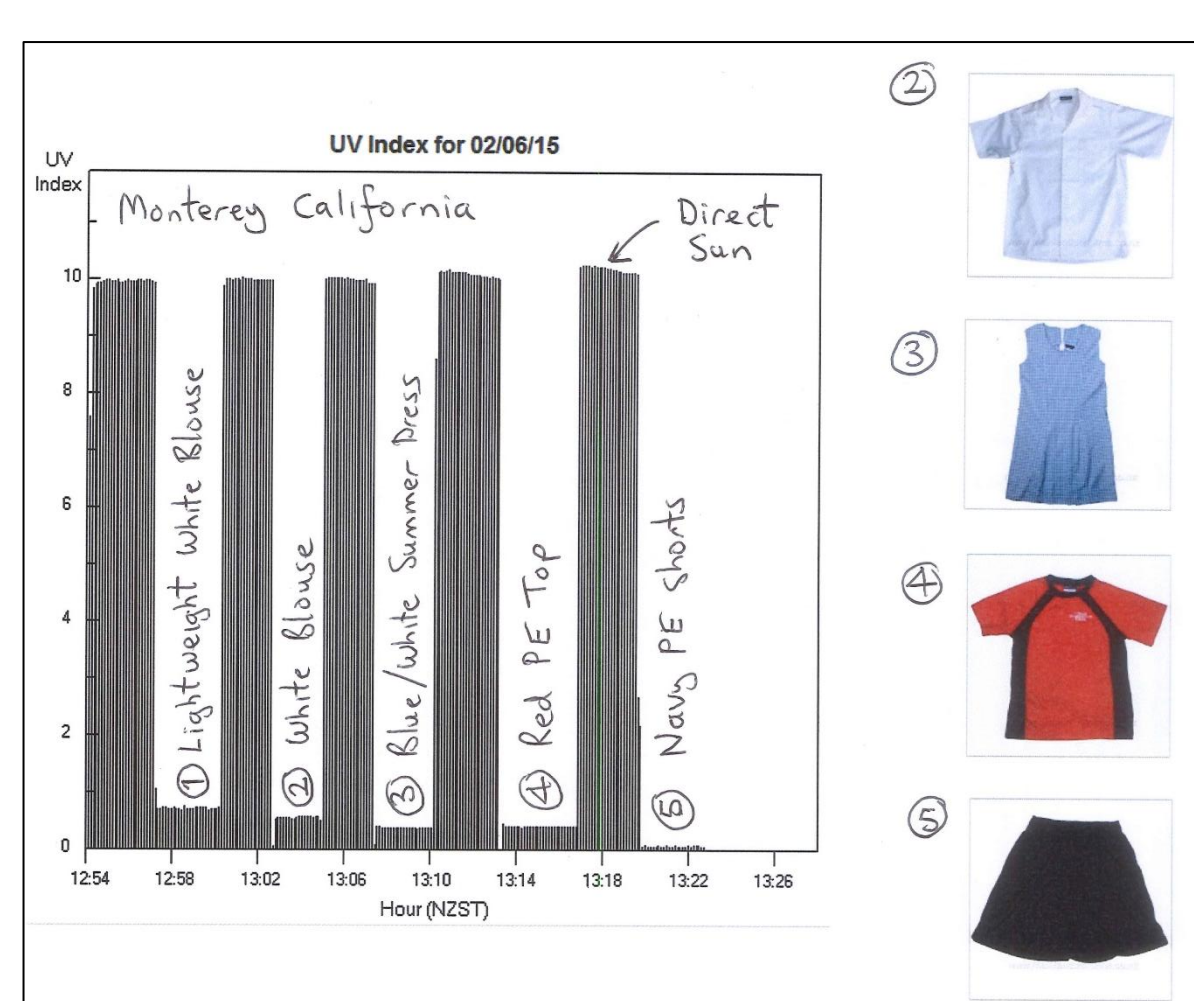
August 11 (max pUVI = 5.03)



August 15 (max pUVI = 6.9)



RECOMMENDATIONS:



VISIT MUSEUMS ☀️ 😊