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Possibility of microscopic liquid water formation at landing sites on Mars and their observational potential

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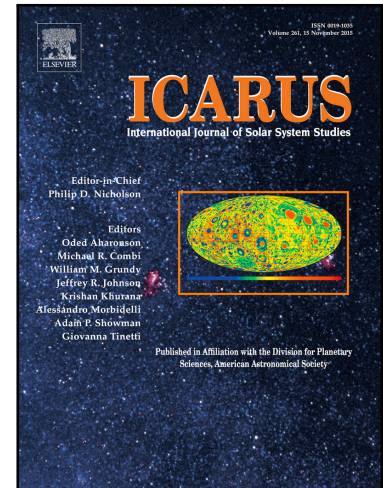
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Highlights

- We predict the appearance of microscopic liquid water on Mars on hygroscopic mineral surfaces.
- The ideal periods are mostly during nighttime between 2 - 7 am.
- At most of the former landing sites such microscopic liquid could've appeared.
- We predict these ideal periods for the ExoMars rover's candidate landing sites.
- This period at the primary landing site (Oxia Planum) is LS = 115–225 and in Local Time = 2–5.

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