

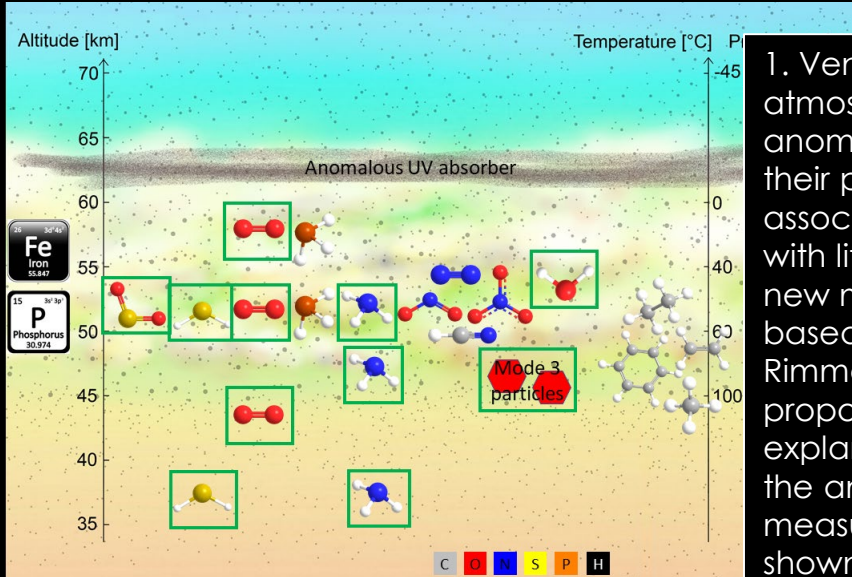


# Towards an Explanation for Venusian Cloud Anomalies and Implications for The Habitability of the Clouds.

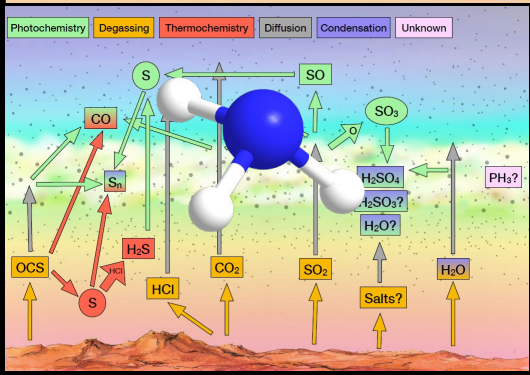
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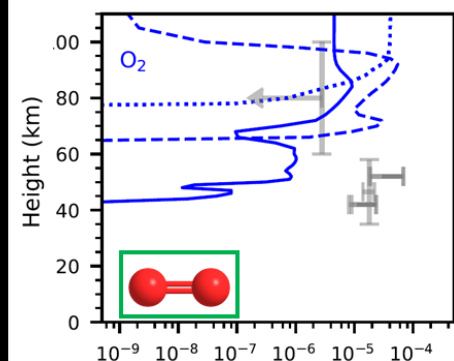
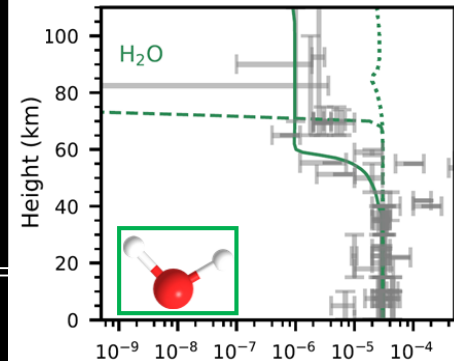
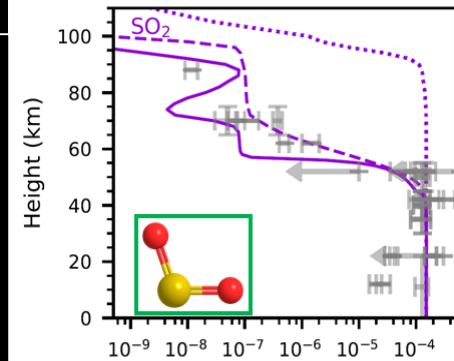
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1. Venus atmosphere anomalies and their possible association with life. Our new model, based on Rimmer et al., proposes an explanation for the anomalous measurements shown in green squares.



3. Our model covers the entire atmosphere (0-100 km) and does not require artificial constraints (e.g. on water abundance and reactivity below the clouds). **Solid line** = new model assuming NH<sub>3</sub> in cloud layers **Dotted line** = base model **Dashed line** assumes artificial fixes to match data **Grey points** = data From (Bains et al. 2021).



<https://venuscloudlife.com/>

