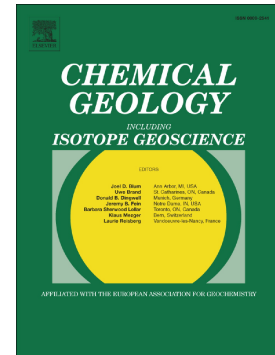


Accepted Manuscript

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PII: S0009-2541(18)30414-5
DOI: [doi:10.1016/j.chemgeo.2018.08.017](https://doi.org/10.1016/j.chemgeo.2018.08.017)
Reference: CHEMGE 18881
To appear in: *Chemical Geology*
Received date: 6 February 2017
Revised date: 21 August 2018
Accepted date: 22 August 2018

Please cite this article as: Achim D. Herrmann, Gwyneth W. Gordon, Ariel D. Anbar, Uranium isotope variations in a dolomitized Jurassic carbonate platform (Tithonian; Franconian Alb, Southern Germany). *Chemge* (2018), doi:[10.1016/j.chemgeo.2018.08.017](https://doi.org/10.1016/j.chemgeo.2018.08.017)

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Uranium isotope variations in a dolomitized Jurassic carbonate platform (Tithonian; Franconian Alb, Southern Germany)

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Main points:

- Early dolomitization by seawater-like fluids appears to not change $\delta^{238}\text{U}$ of carbonate rocks
- Some dolostones are comparable to limestones in their ability to record variations of $\delta^{238}\text{U}$
- $\delta^{238}\text{U}$ values lower than seawater might be linked to a Mn cycle across the sediment-water interface

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