

# A new reverse subchron (C33n.1r) in the Campanian: astronomical duration estimate and geomagnetic/chronostratigraphic implications

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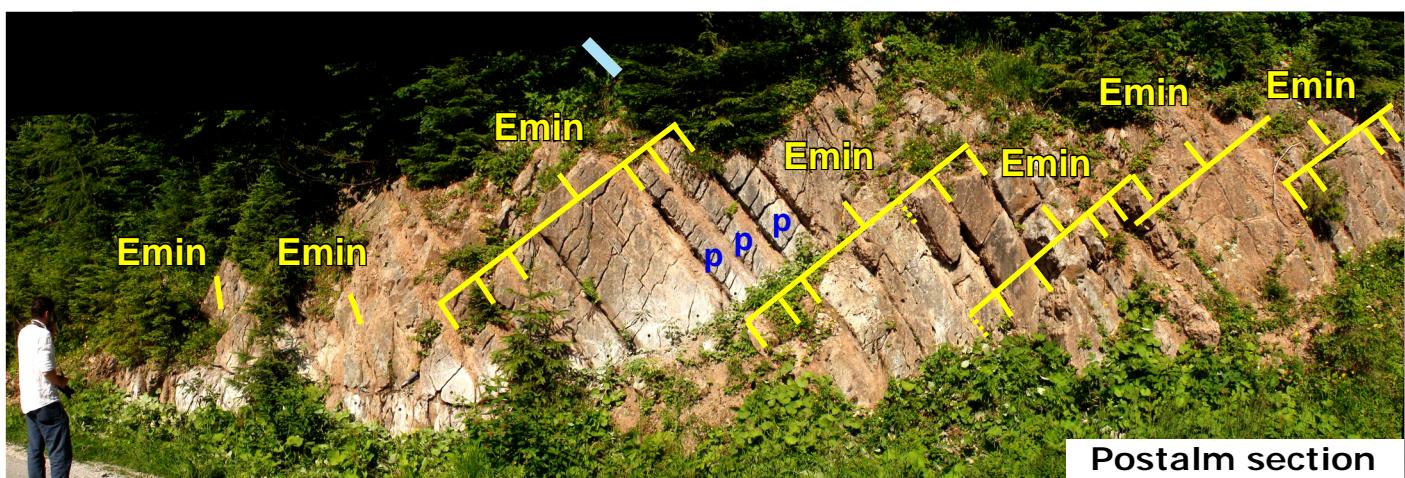


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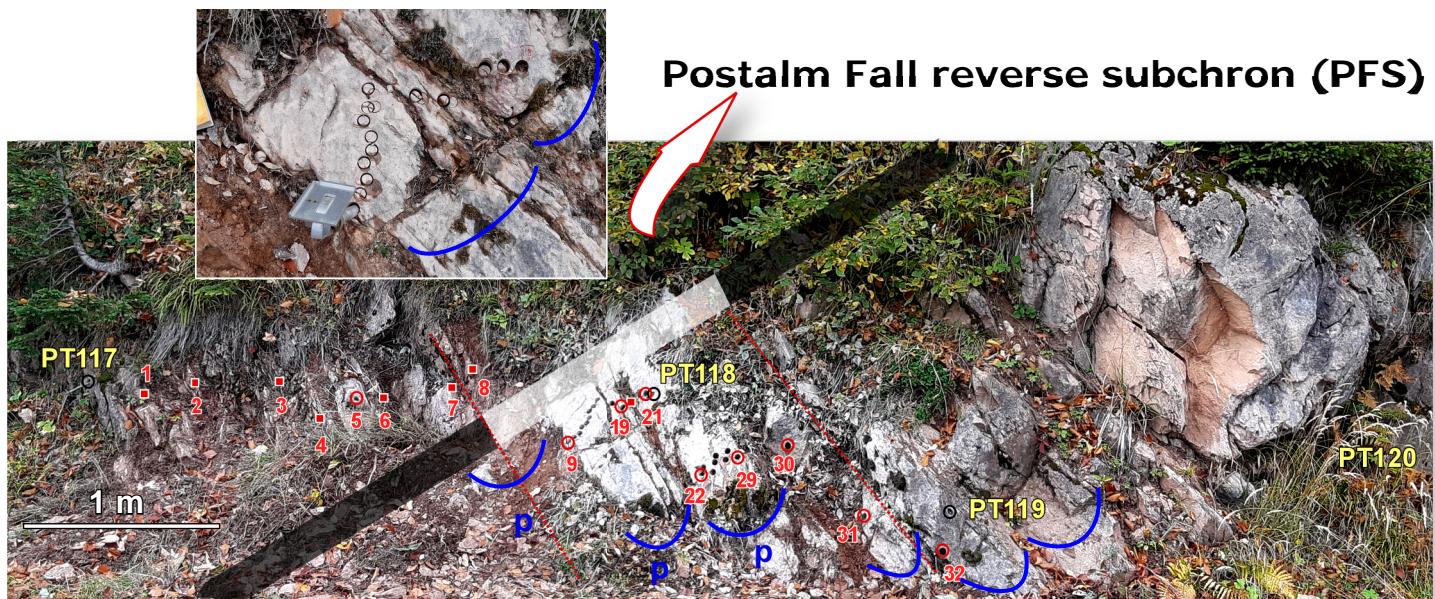
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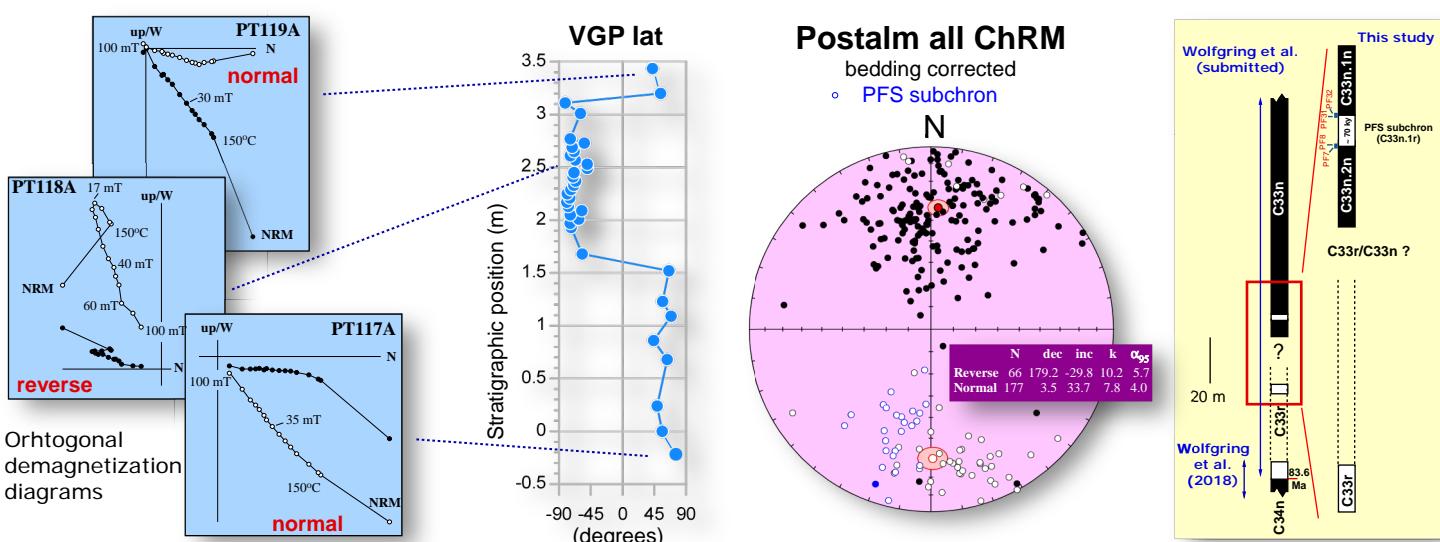
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Stacking pattern along the Campanian interval (upper C33n) of the precession-related basic marl-carbonate lithologic couplets (p) defining the ~100 ky eccentricity minima cycles (Emin bundles) as defined by groups of 2-3 consecutive well defined couplets (see Wagreich *et al.* (2012), Wolfgring *et al.* (submitted)).



Detail of the high-resolution sampled interval along the lower part of C33n that comprises the PFS subchron.



Wagreich M, Hohenegger J, Neuhuber S. 2012. Nannofossil biostratigraphy, strontium and carbon isotope stratigraphy, cyclostratigraphy and an astronomically calibrated duration of the Late Campanian Radotrunca calcarata Zone. *Cretaceous Research* 38:80-96. <https://doi.org/10.1016/j.cretres.2012.04.006>

Wolfgring, E., Wagreich, M., Dinarès-Turell, J., Gier, S., Bohm, K., Sames, B., Spötl, C. & Popp, F. (2018). The Santonian-Campanian boundary and the end of the Long Cretaceous Normal Polarity-Chron: Isotope and plankton stratigraphy of a pelagic reference section in the NW Tethys (Austria). *Newslett. Strat.* 51, 4, 445-476, <https://doi.org/10.1127/nos/2018/0392>

Wolfgring, E., Wagreich, M., Hohenegger, J., Bohm, K., Dinarès Turell, J., Gier, S., Sames, B., Spötl, C. and Jin, S.D.(submitted). An integrated multi-proxy study of cyclic pelagic deposits from the north-western Tethys: the Campanian of the Postalm section (Gosau Group, Austria).