

Supplement of *Clim. Past*, 14, 1275–1297, 2018
<https://doi.org/10.5194/cp-14-1275-2018-supplement>
© Author(s) 2018. This work is distributed under
the Creative Commons Attribution 4.0 License.



Supplement of

Paleoceanography and ice sheet variability offshore Wilkes Land, Antarctica – Part 3: Insights from Oligocene–Miocene TEX₈₆-based sea surface temperature reconstructions

Julian D. Hartman et al.

Correspondence to: Julian D. Hartman (juulhartman@gmail.com)

The copyright of individual parts of the supplement might differ from the CC BY 4.0 License.

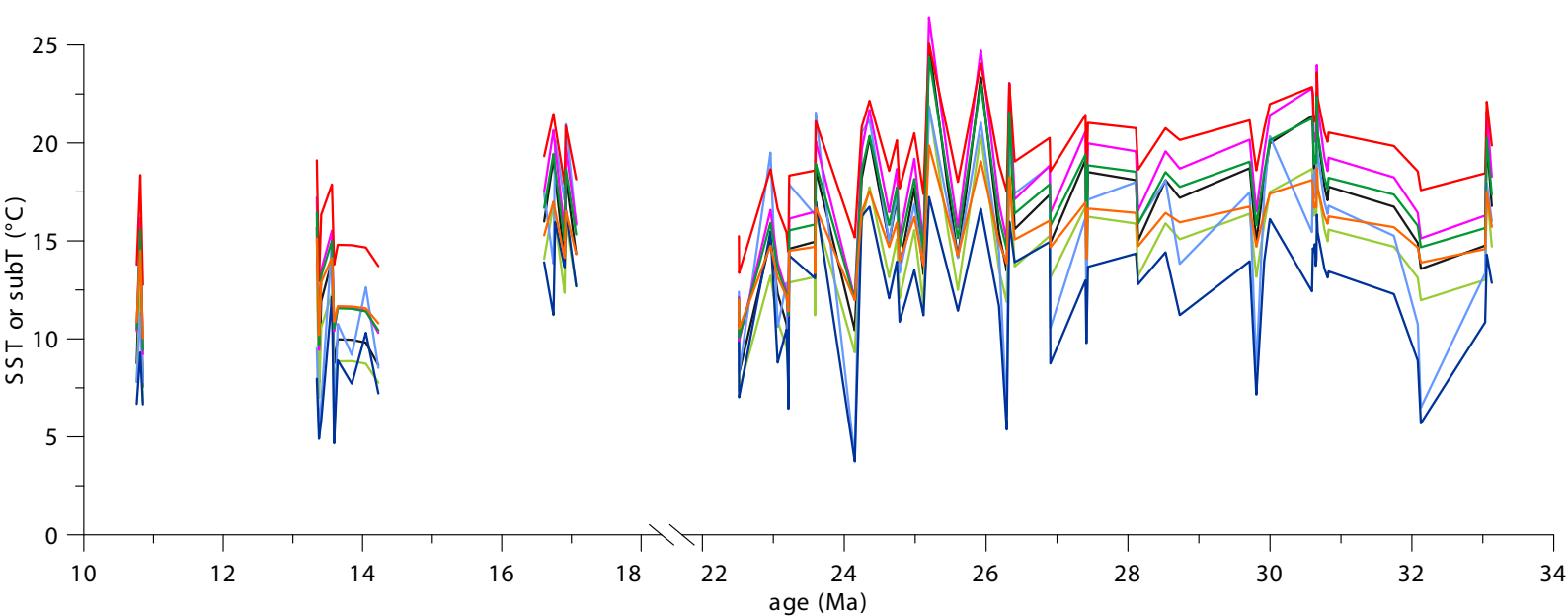
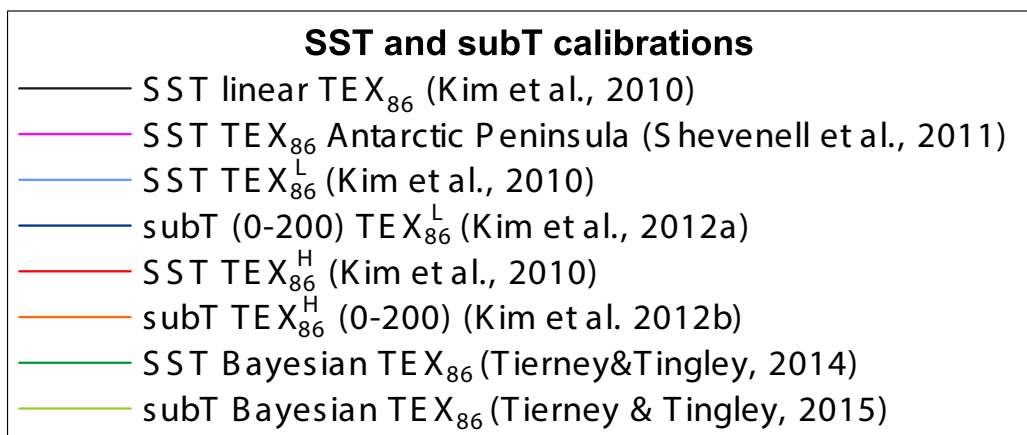


Figure S1: Sea surface temperature and subsurface temperature reconstructions using all existing calibrations for the TEX_{86} , TEX_{86}^L , and TEX_{86}^H proxies, plotted against age.

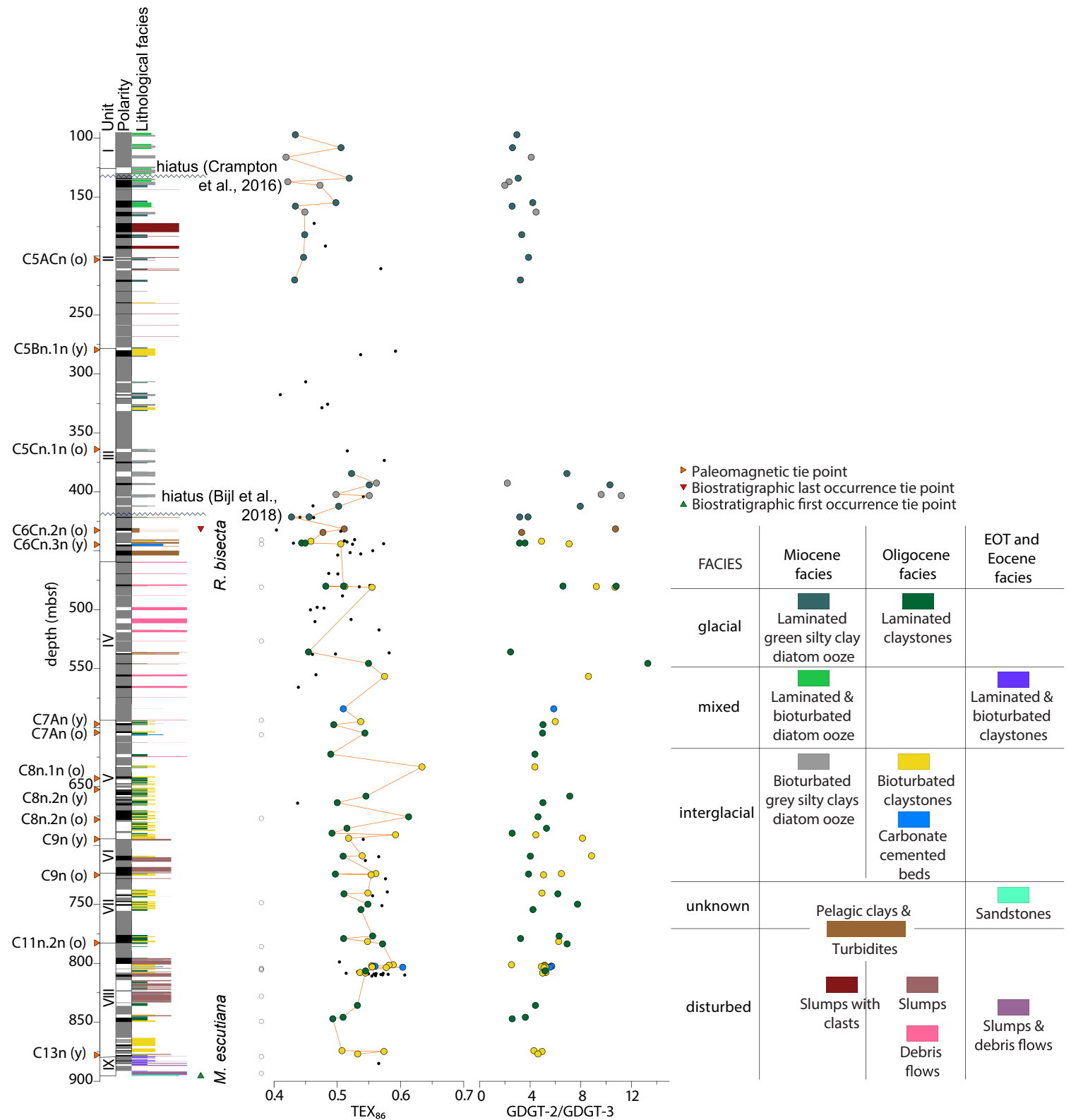


Figure S2: As Figure 2, but with black dots indicating TEX_{86} values from samples that have been discarded for the SST reconstruction. Furthermore, open circles indicate the position of samples taken from Hole U1356A that did not provide sufficient amounts of isoGDGTs for a reliable TEX_{86} value.

Table S2: Comparison between TEX86 and temperature values derived from samples analyzed with both HPLC/MS and UHPLC/MS.

Core	Section	Core interval (cm)	average cum. depth (mbsf)	TEX86 on HPLC/MS	TEX86 on UHPLC/MS	Δ TEX86	Δ SST (lin. cal. Kim et al., 2010)	Δ SST (TEX86H cal. Kim et al., 2010)
48R	2W	19-21	451.6	0.520	0.504	0.016	0.998	0.930
63R	4W	19-21	597.55	0.494	0.506	0.011	0.744	0.677
70R	3W	21-23	663.67	0.500	0.510	0.010	0.625	0.574
84R	6W	40-44	802.79	0.556	0.547	0.008	0.449	0.450
92R	3W	2-6	874.06	0.507	0.499	0.009	0.568	0.520
Average						0.011	0.677	0.630