

Figure F26

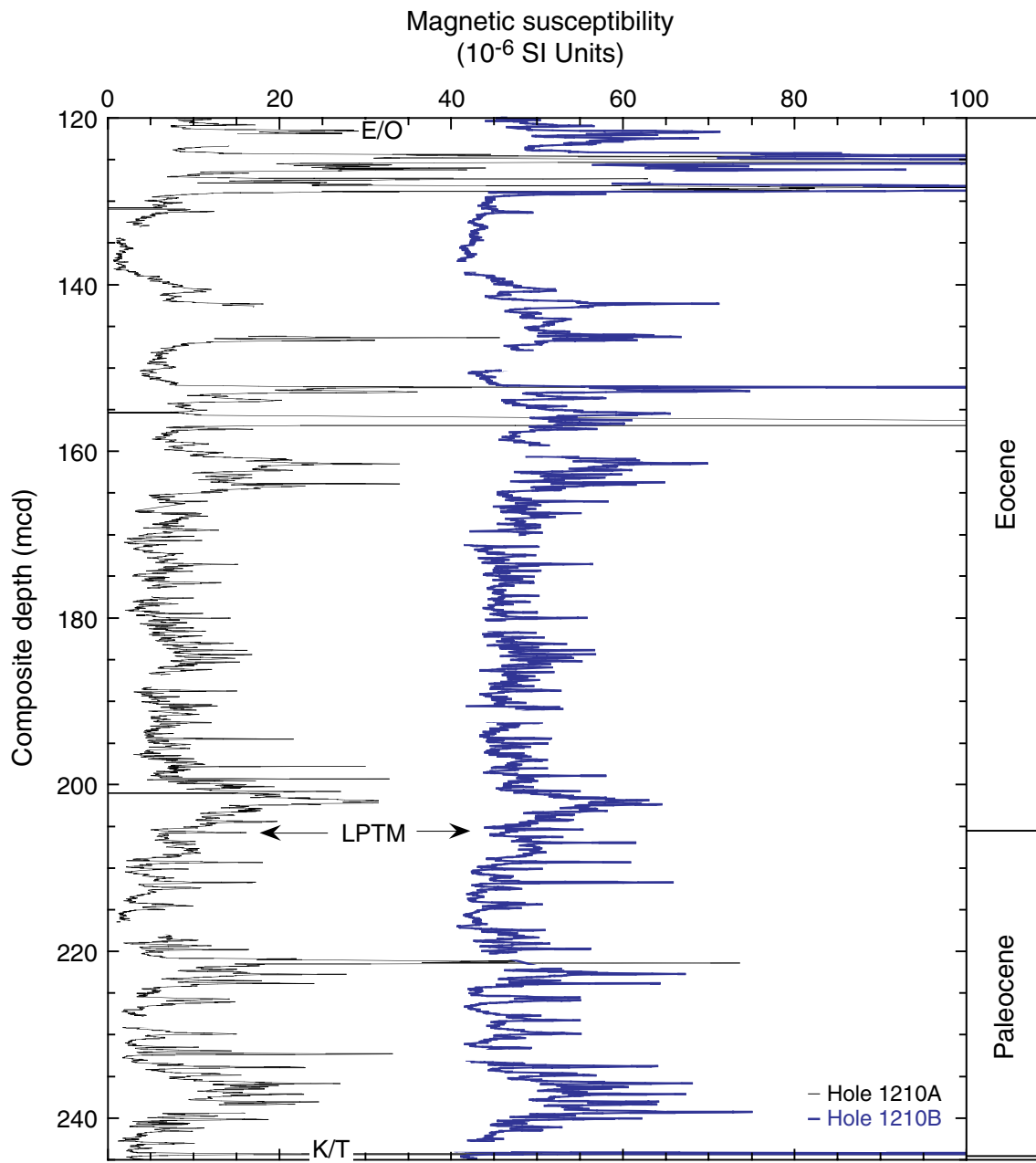


Figure F27

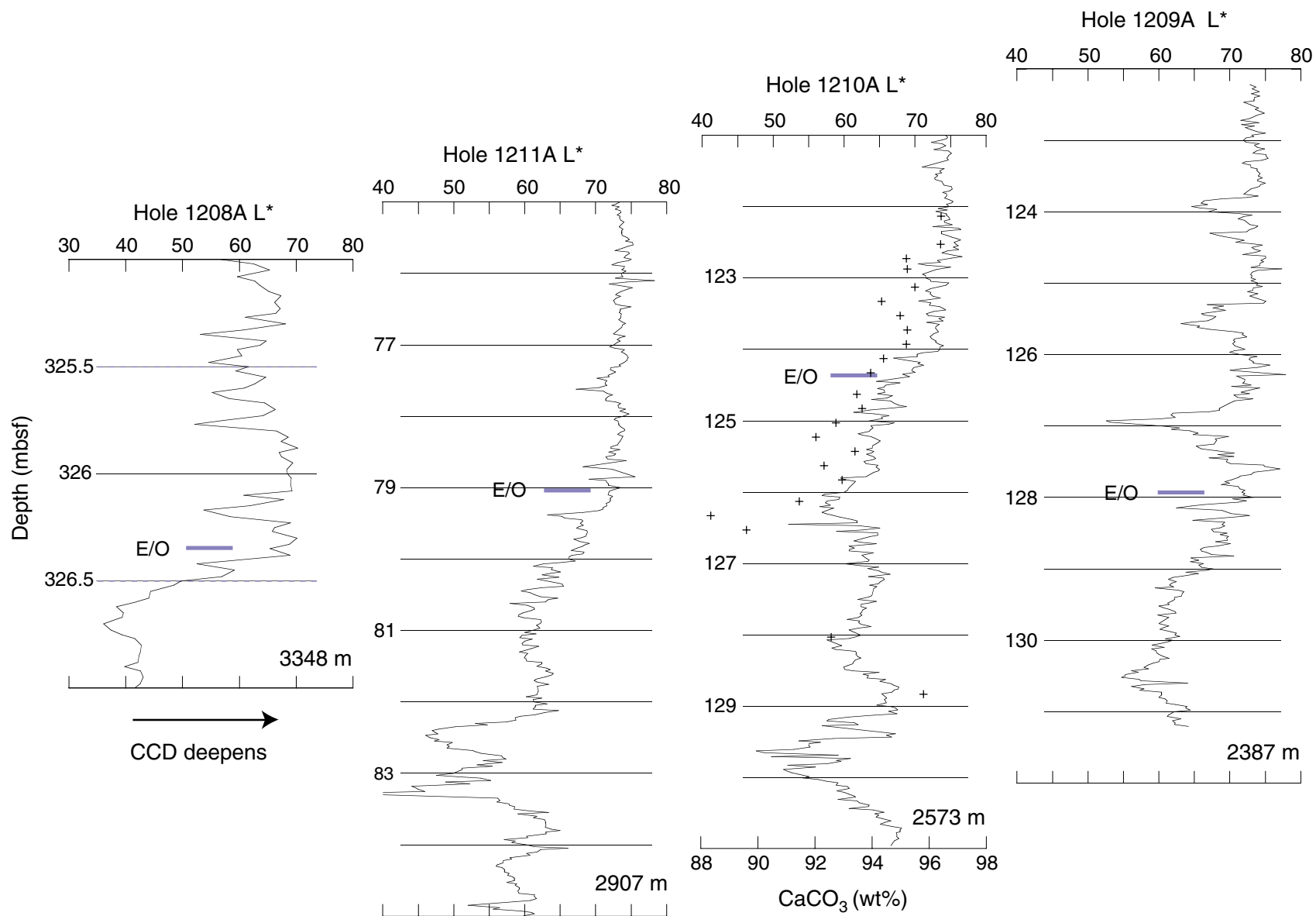


Figure F28

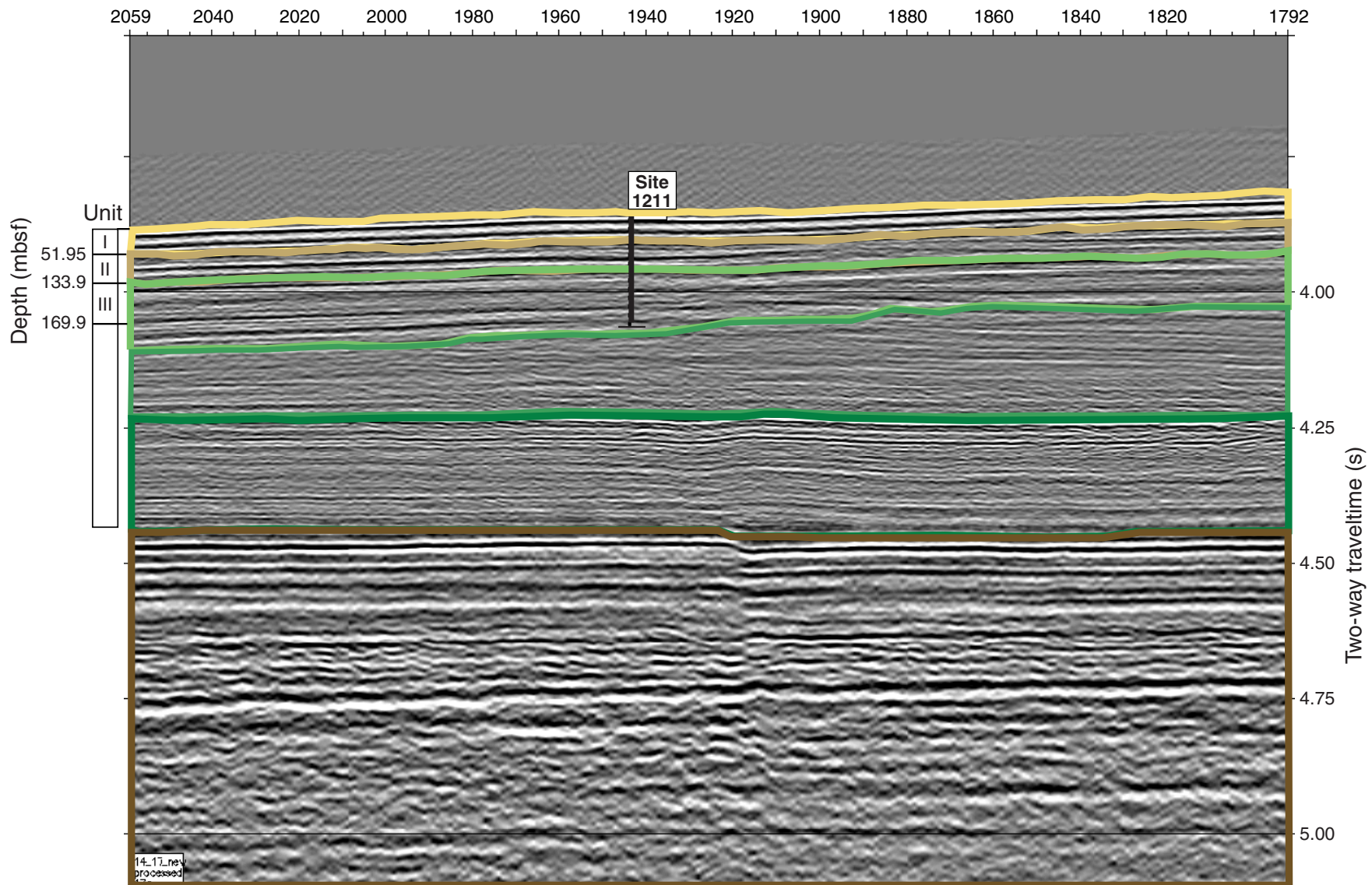


Figure F29

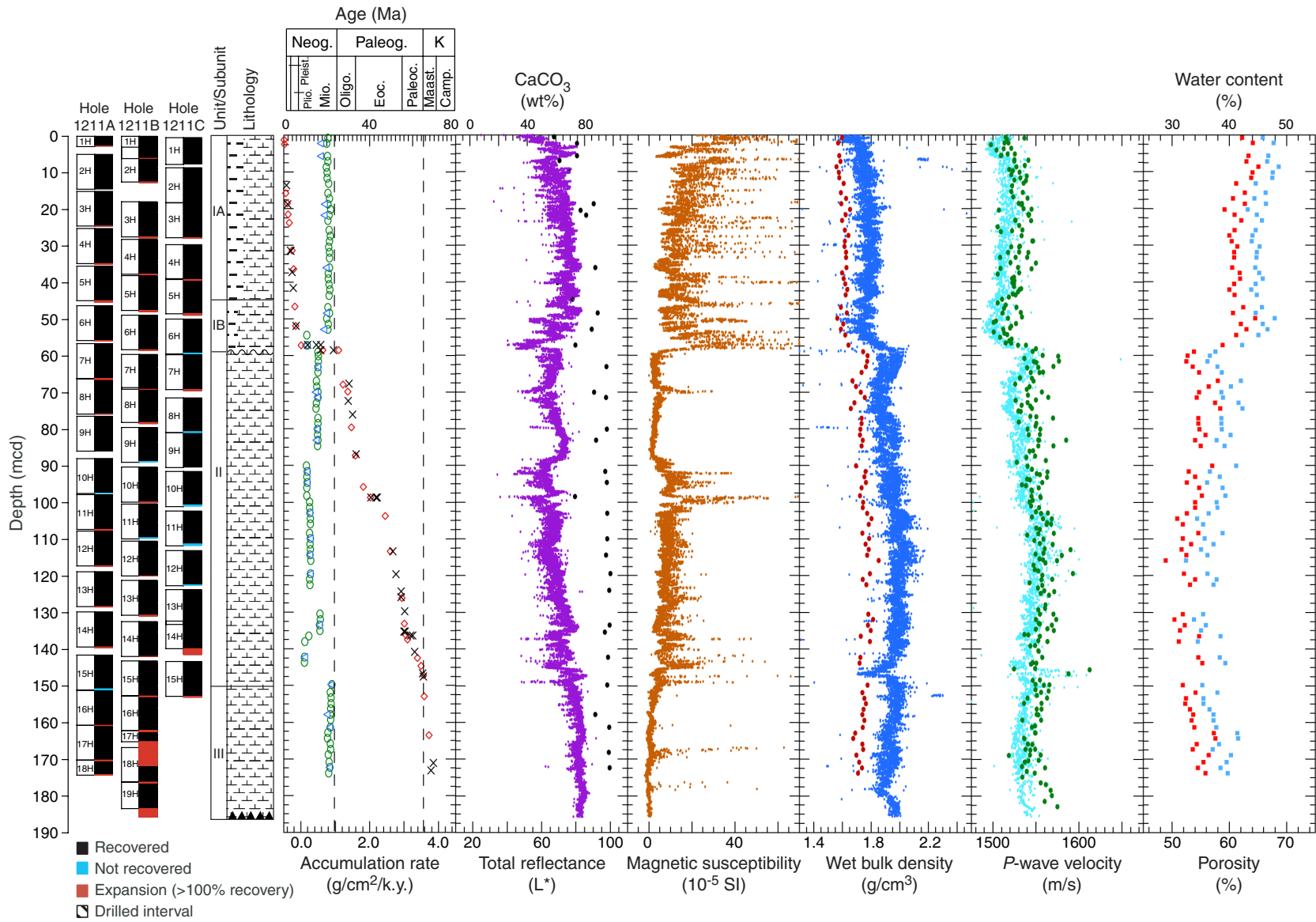


Figure F30

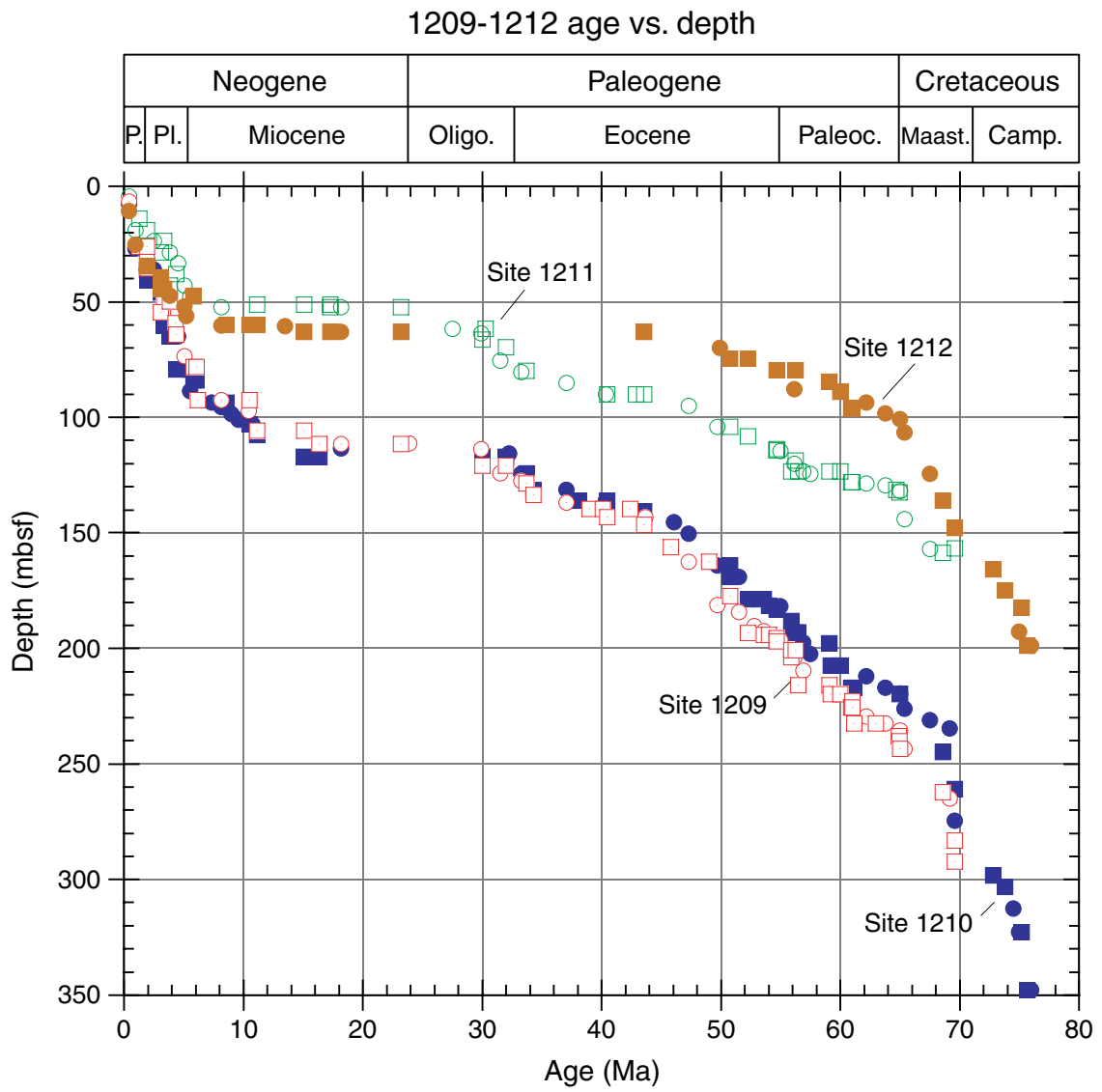


Figure F31

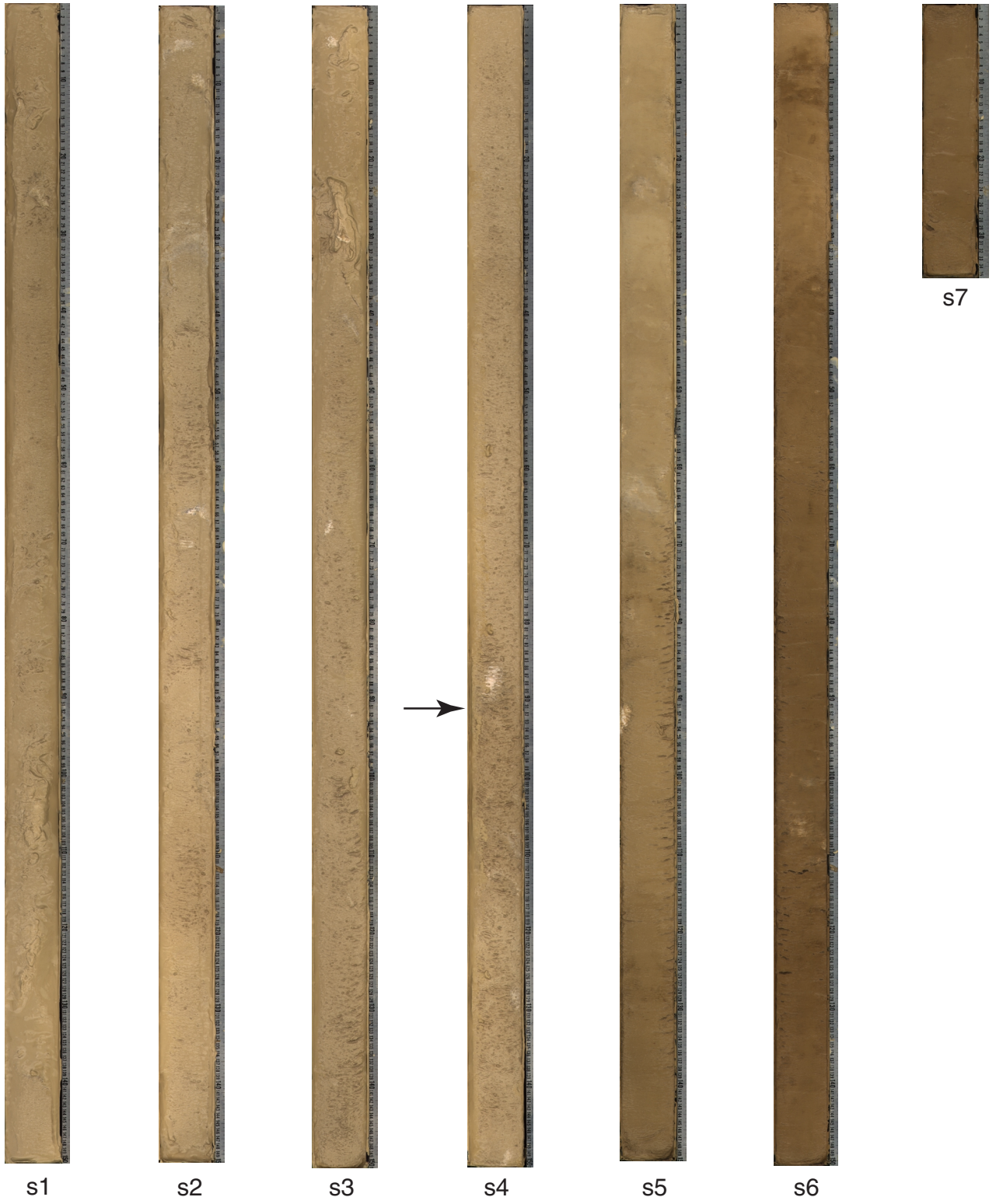


Figure F32



Figure F33

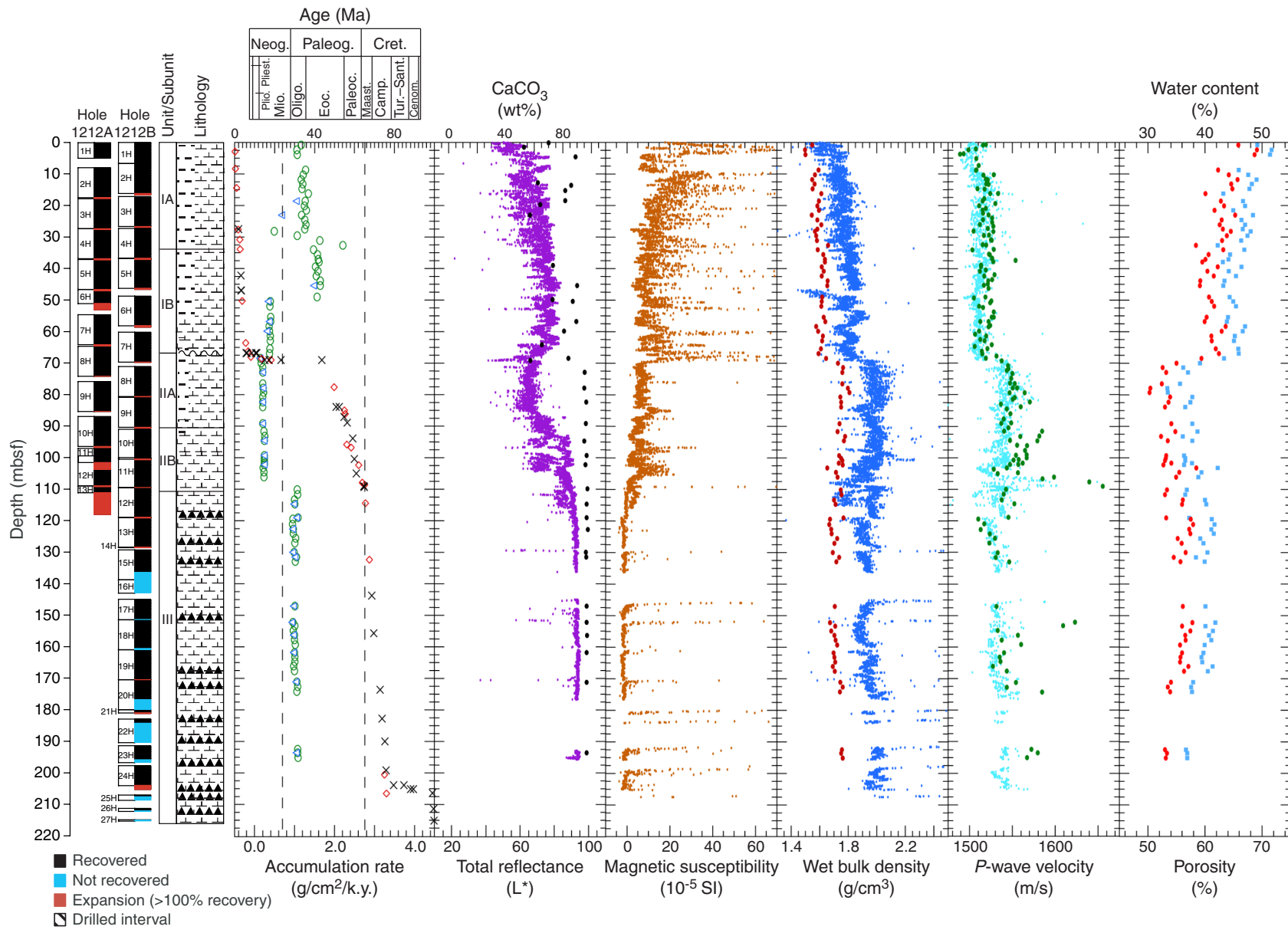


Figure F34

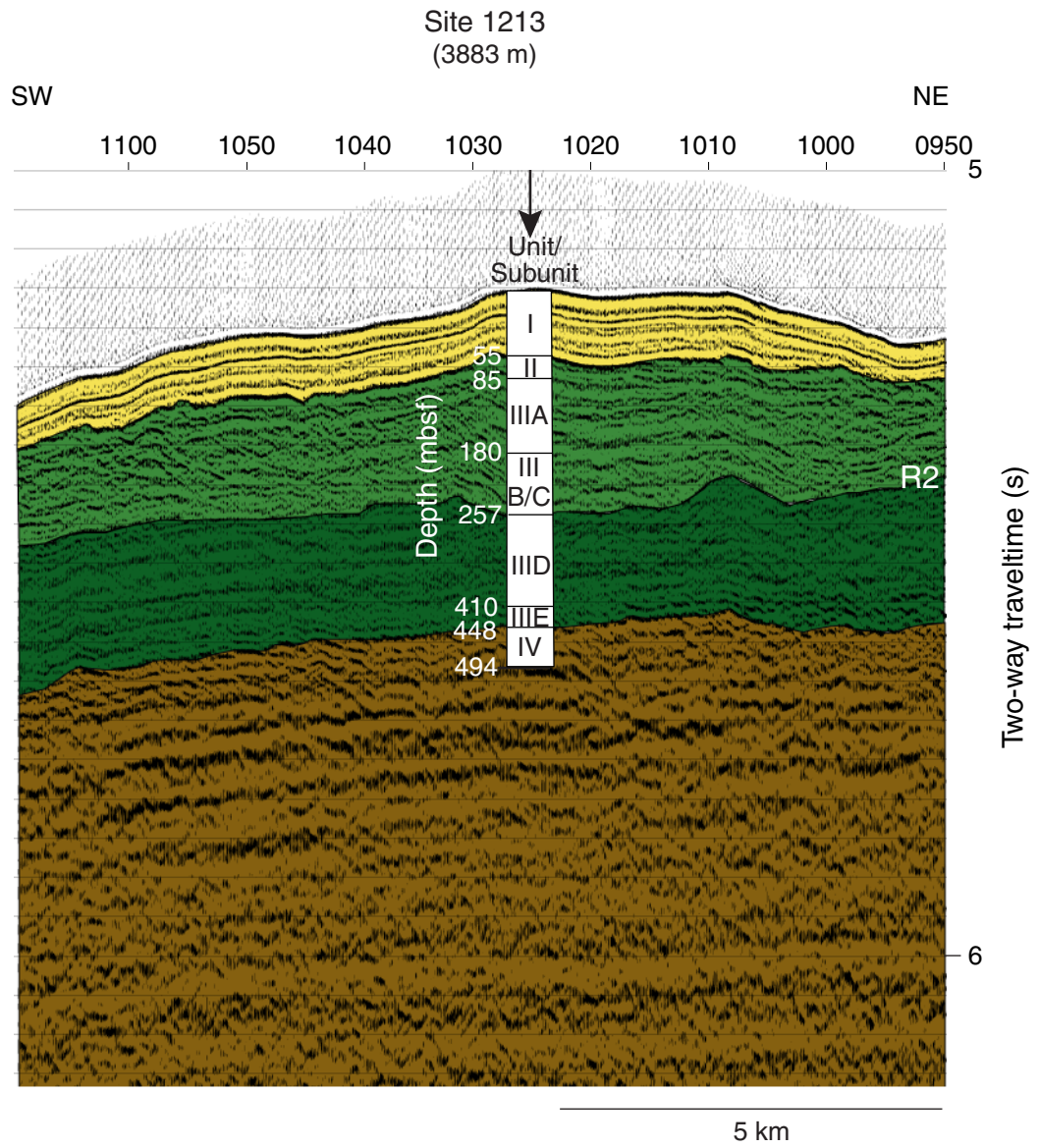


Figure F35

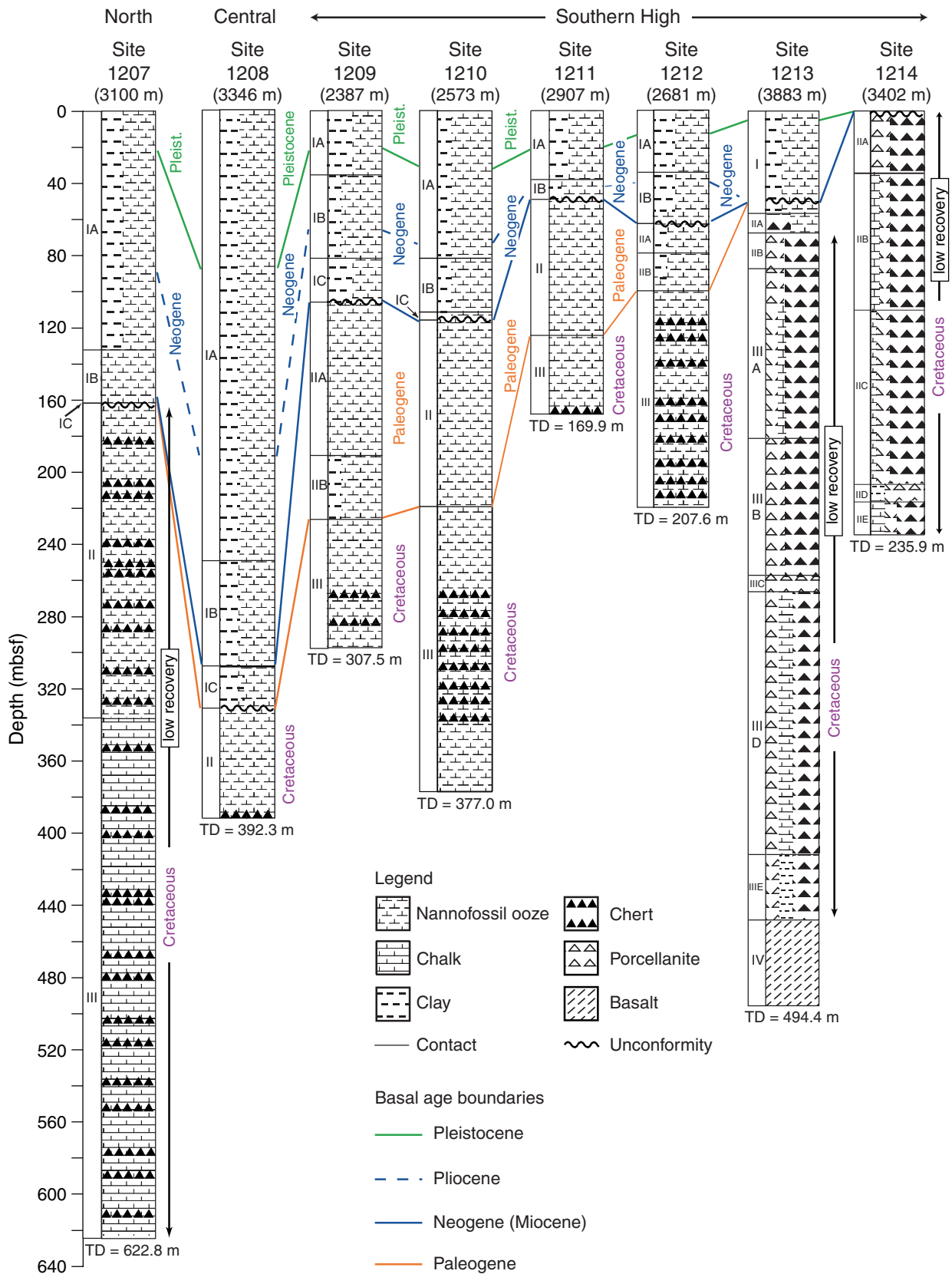


Figure F36

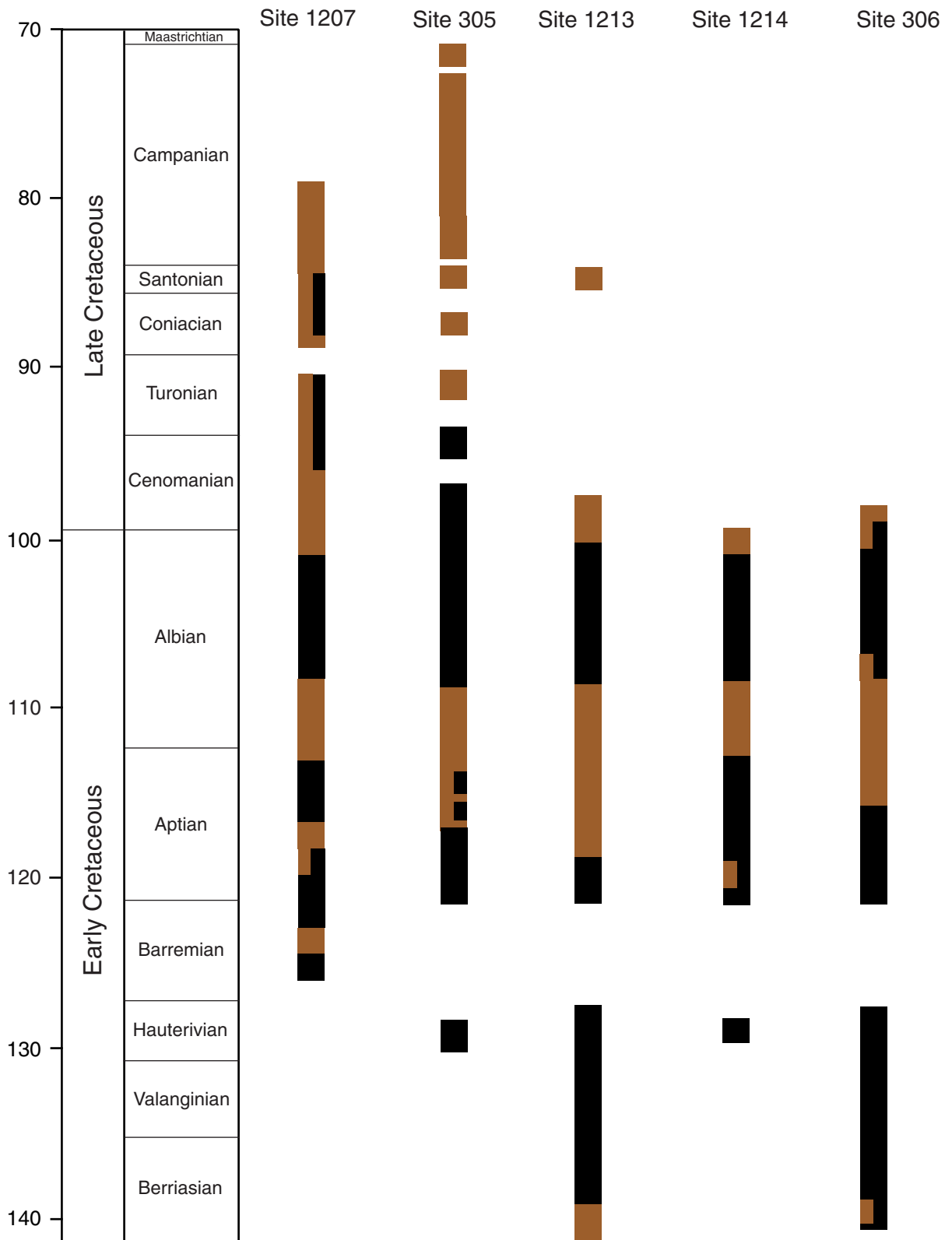


Figure F37

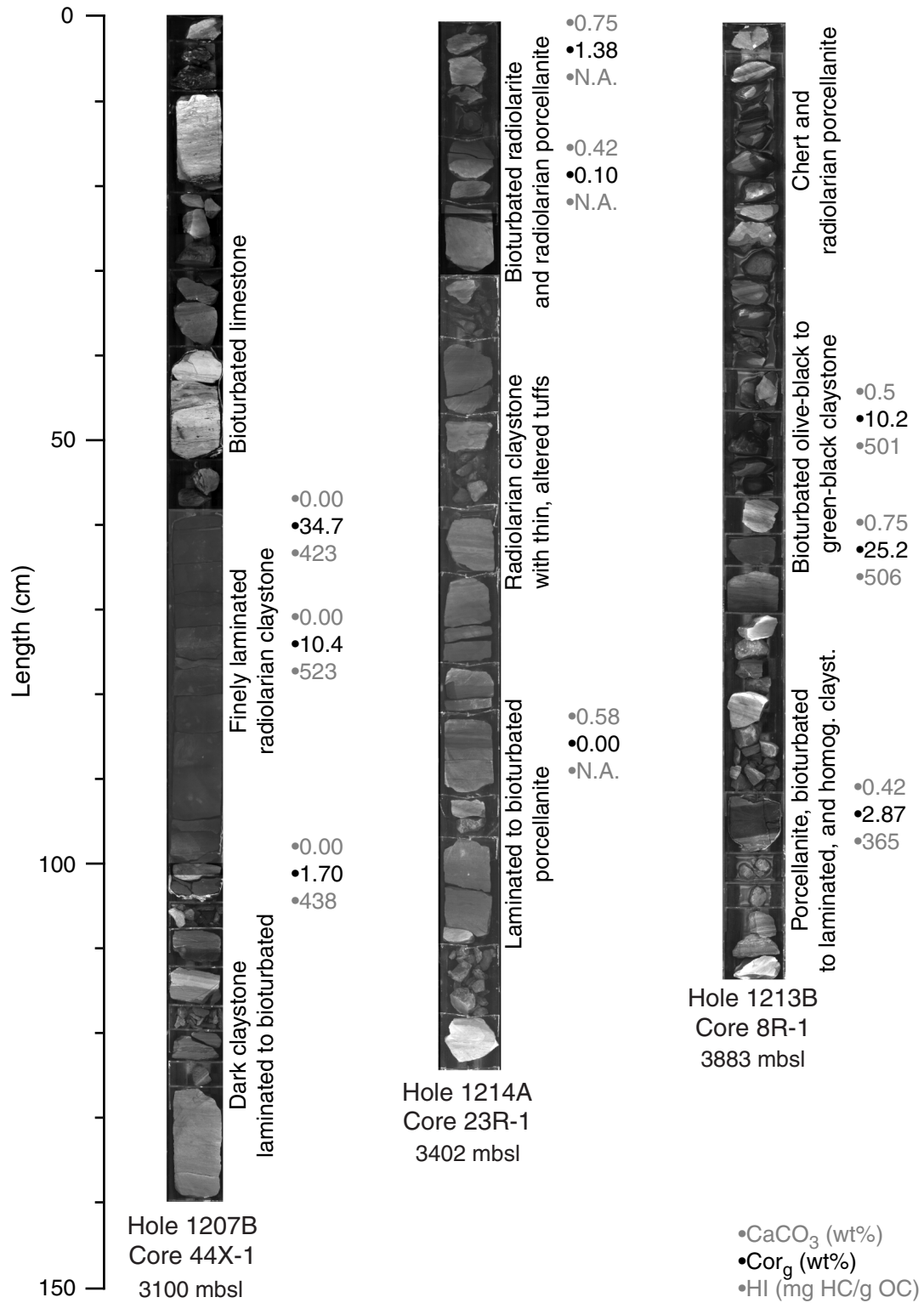


Figure F38

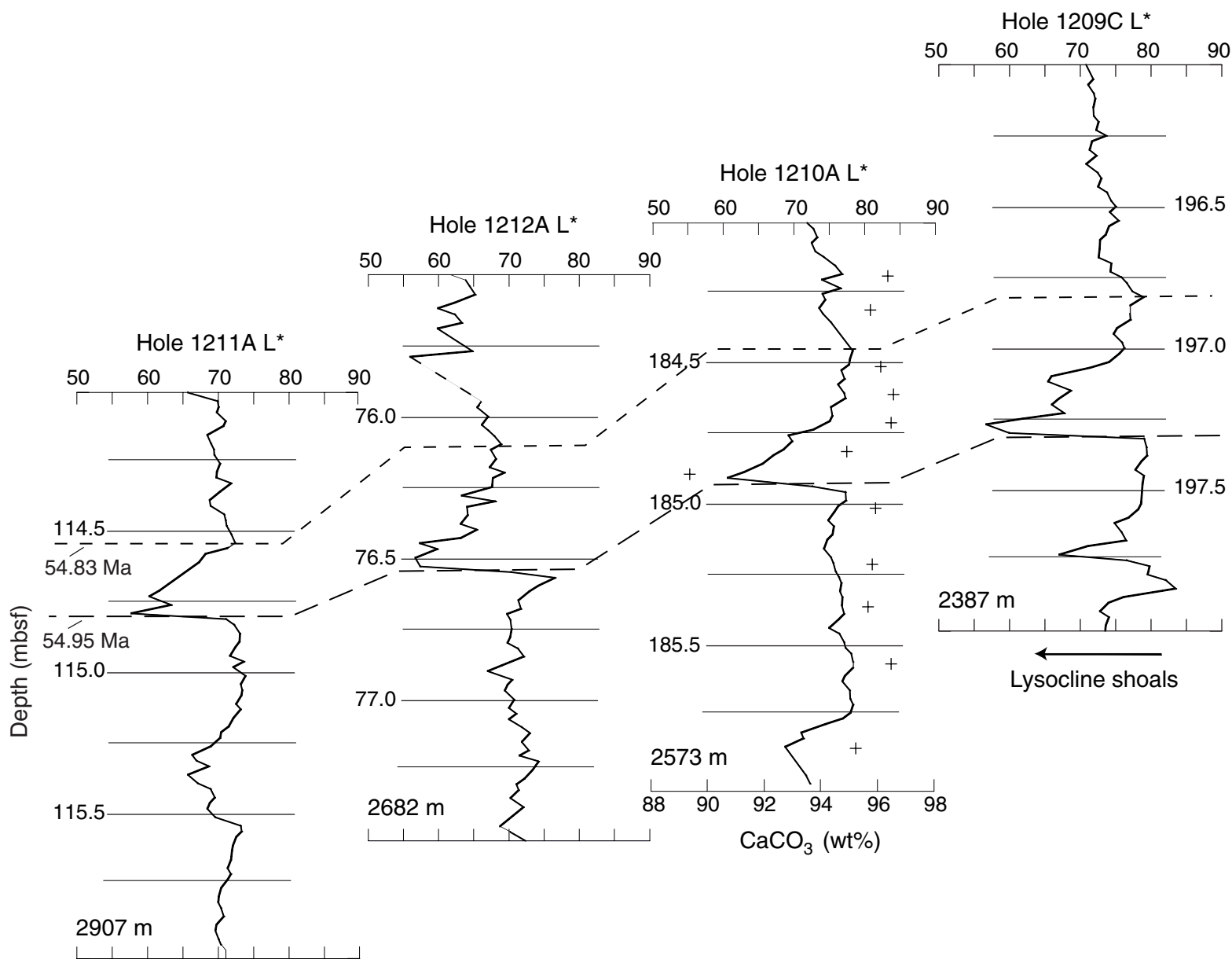


Figure F39

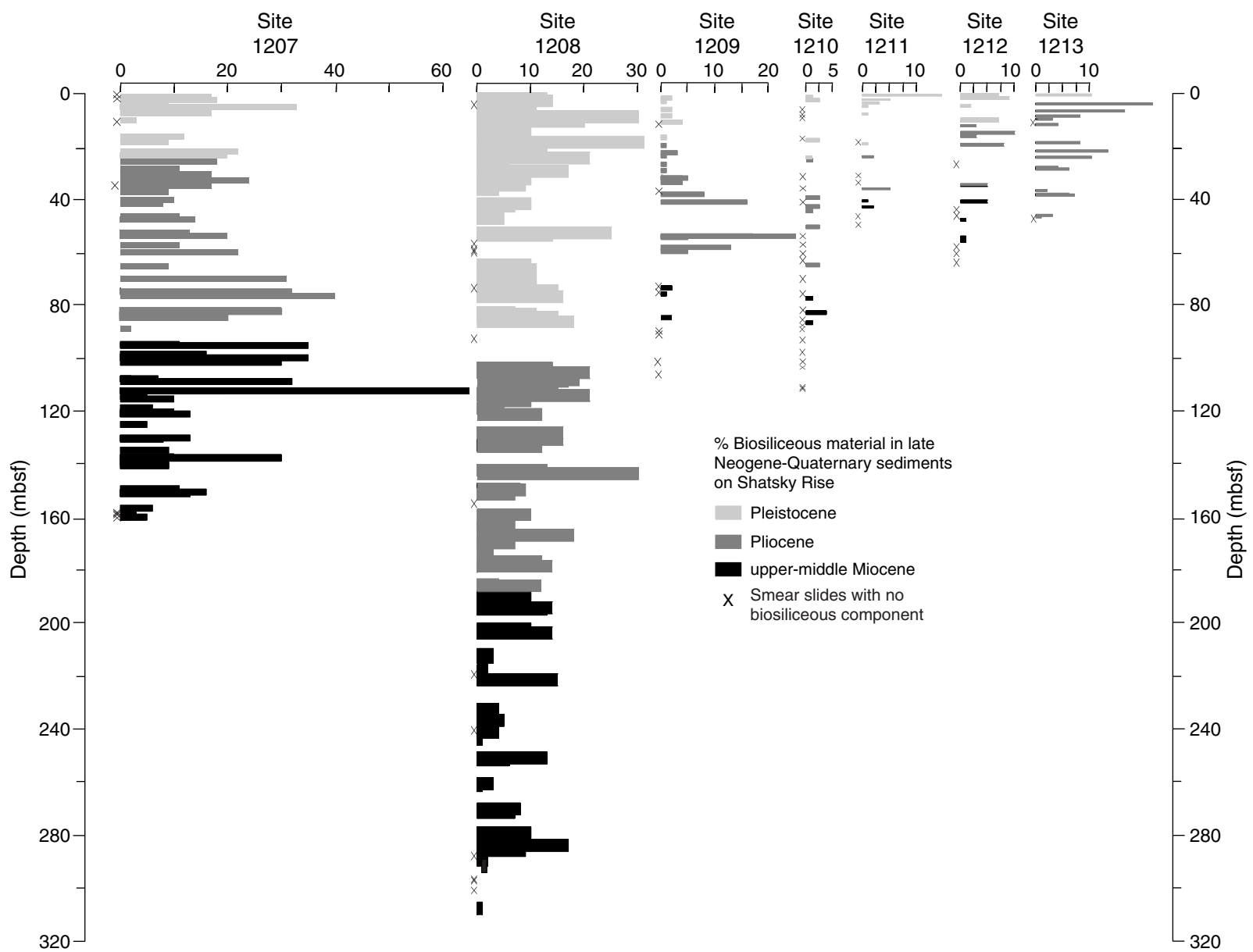


Figure F40

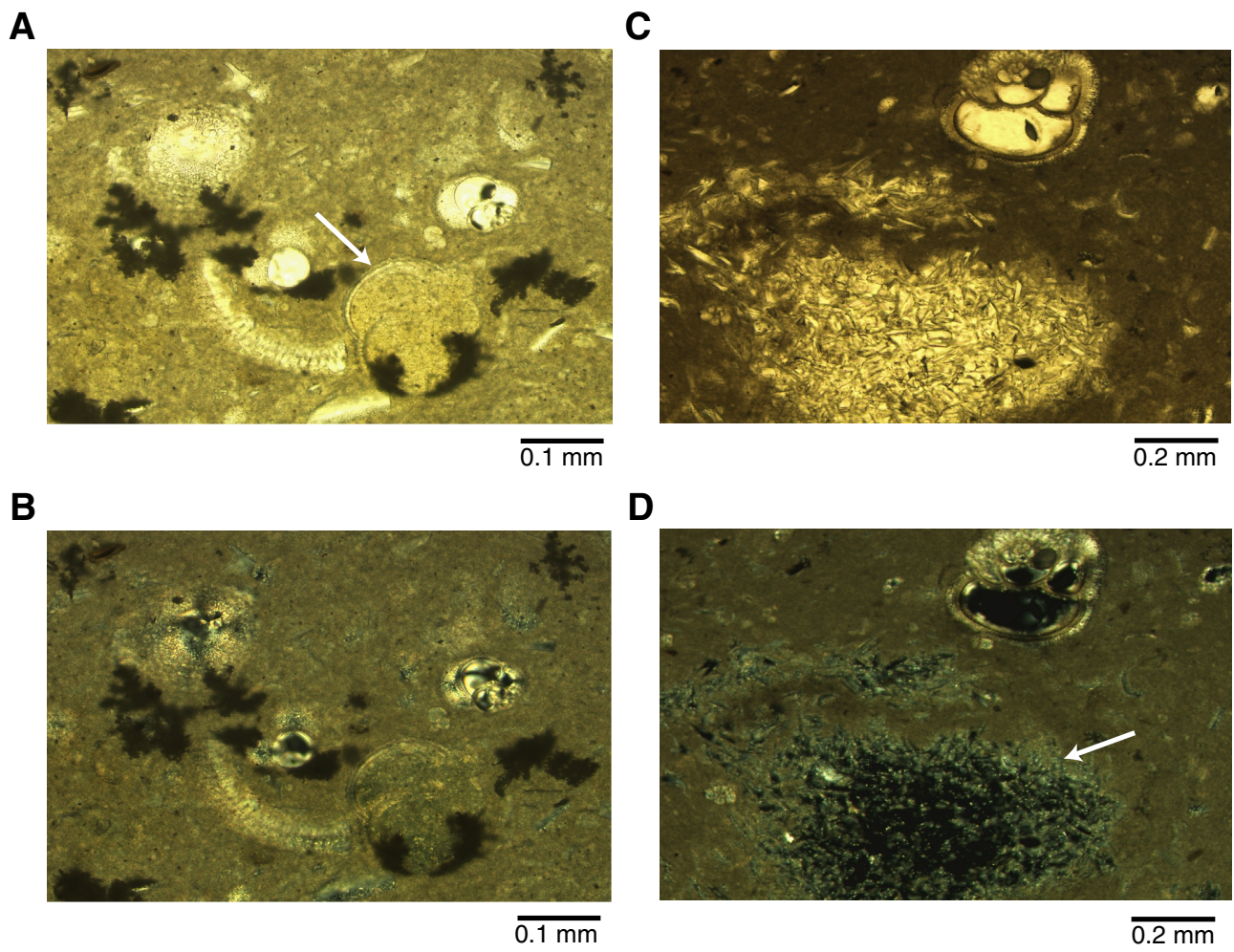


Figure F41

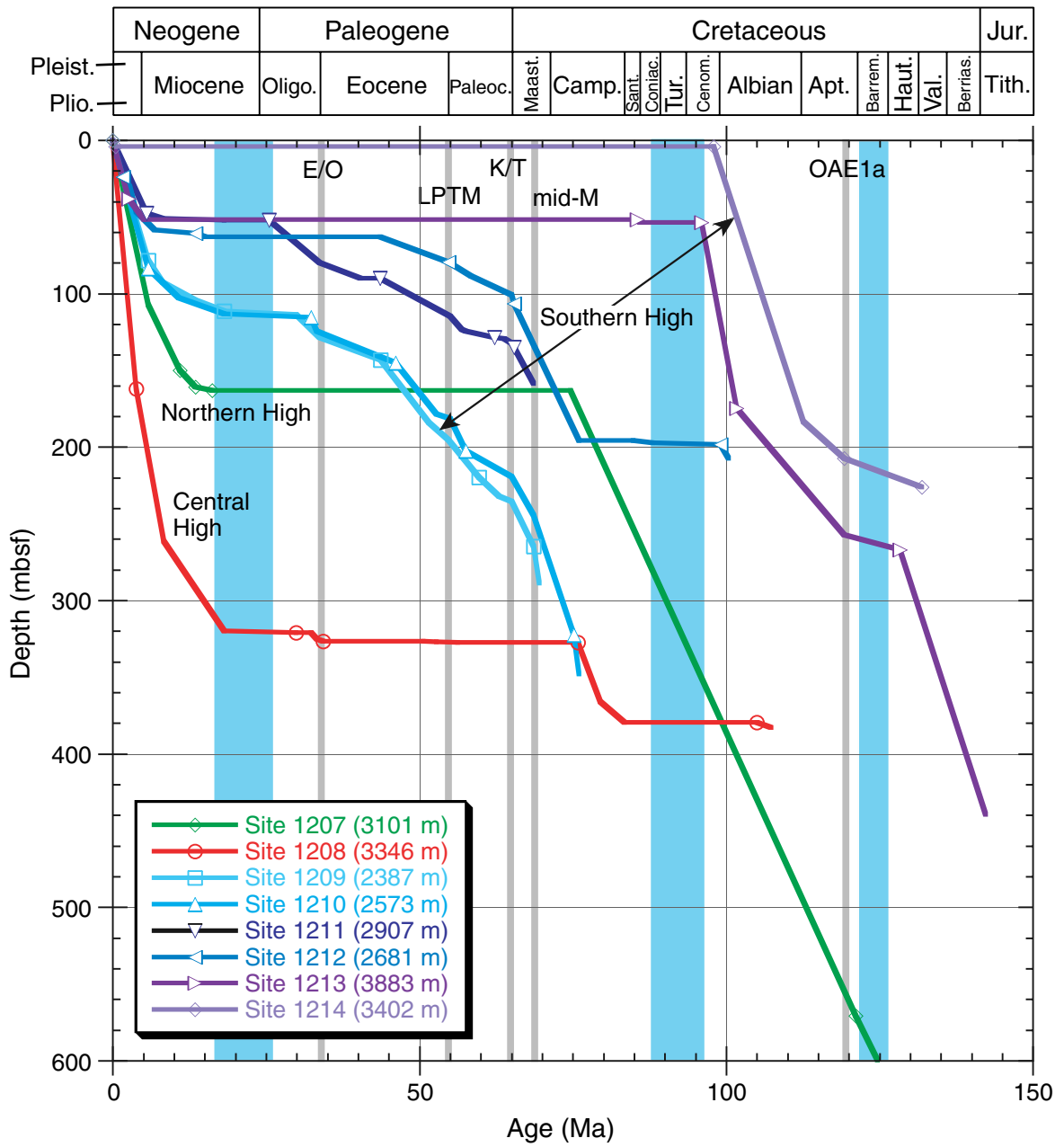


Figure F42

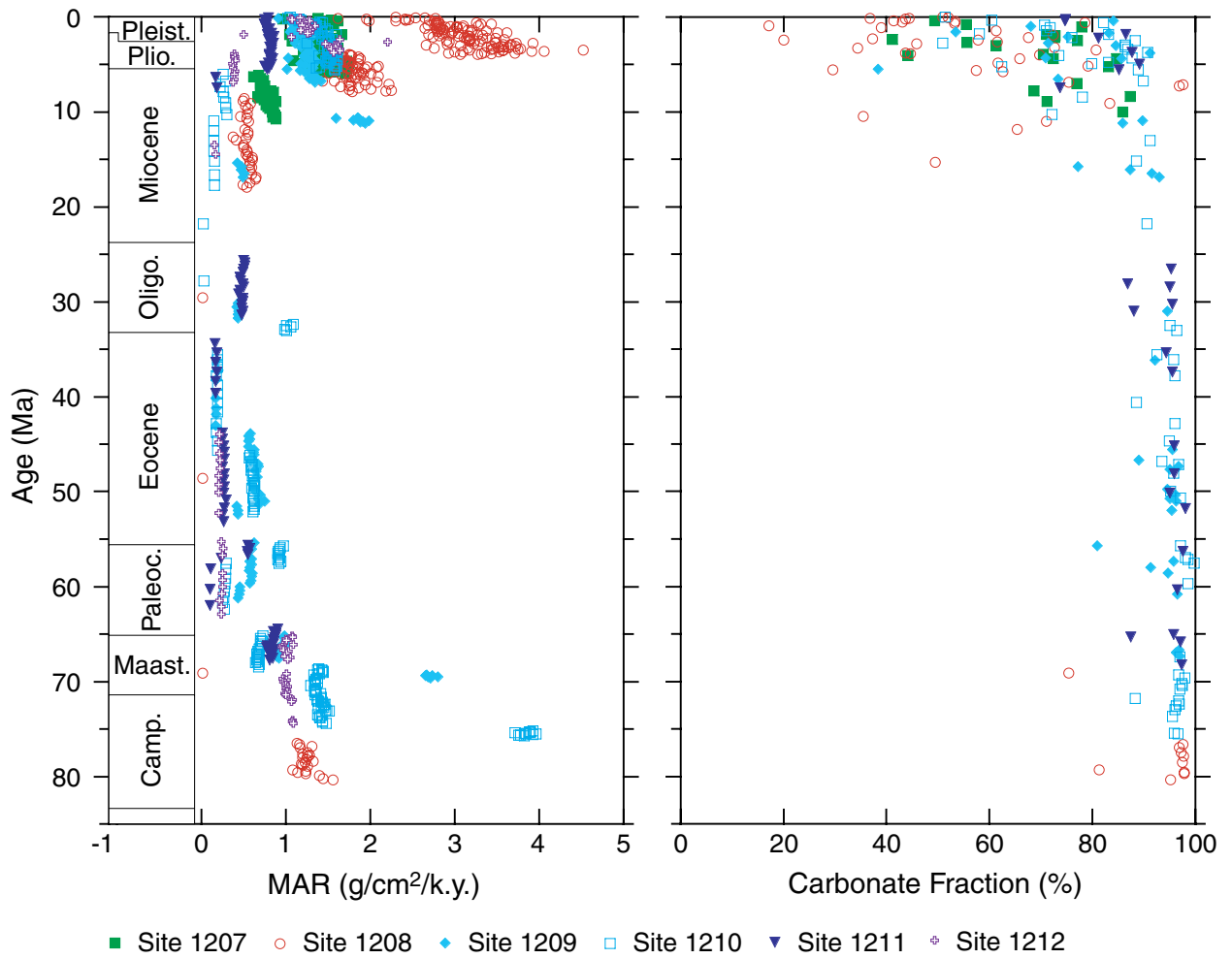


Figure F43

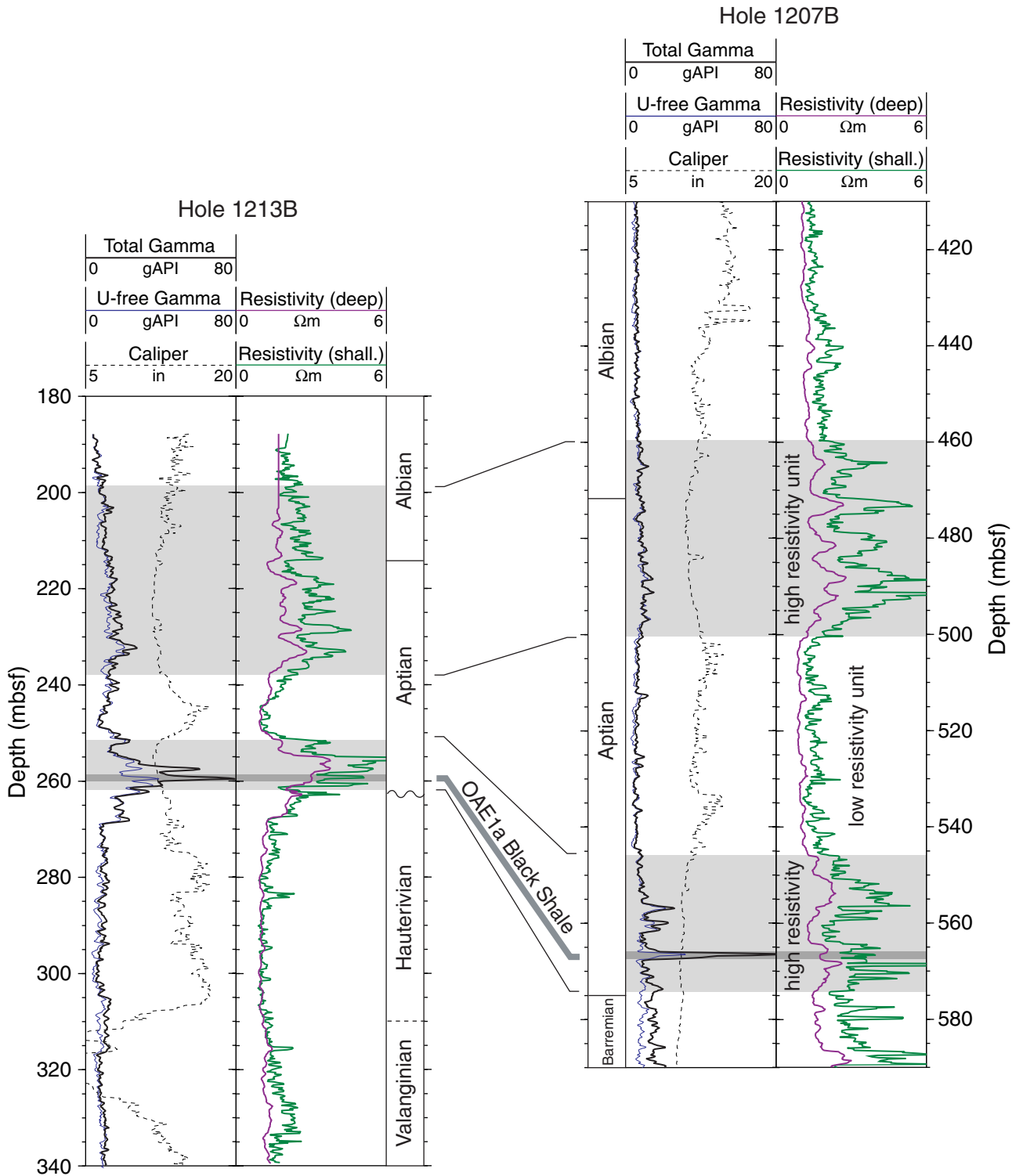


Figure F44

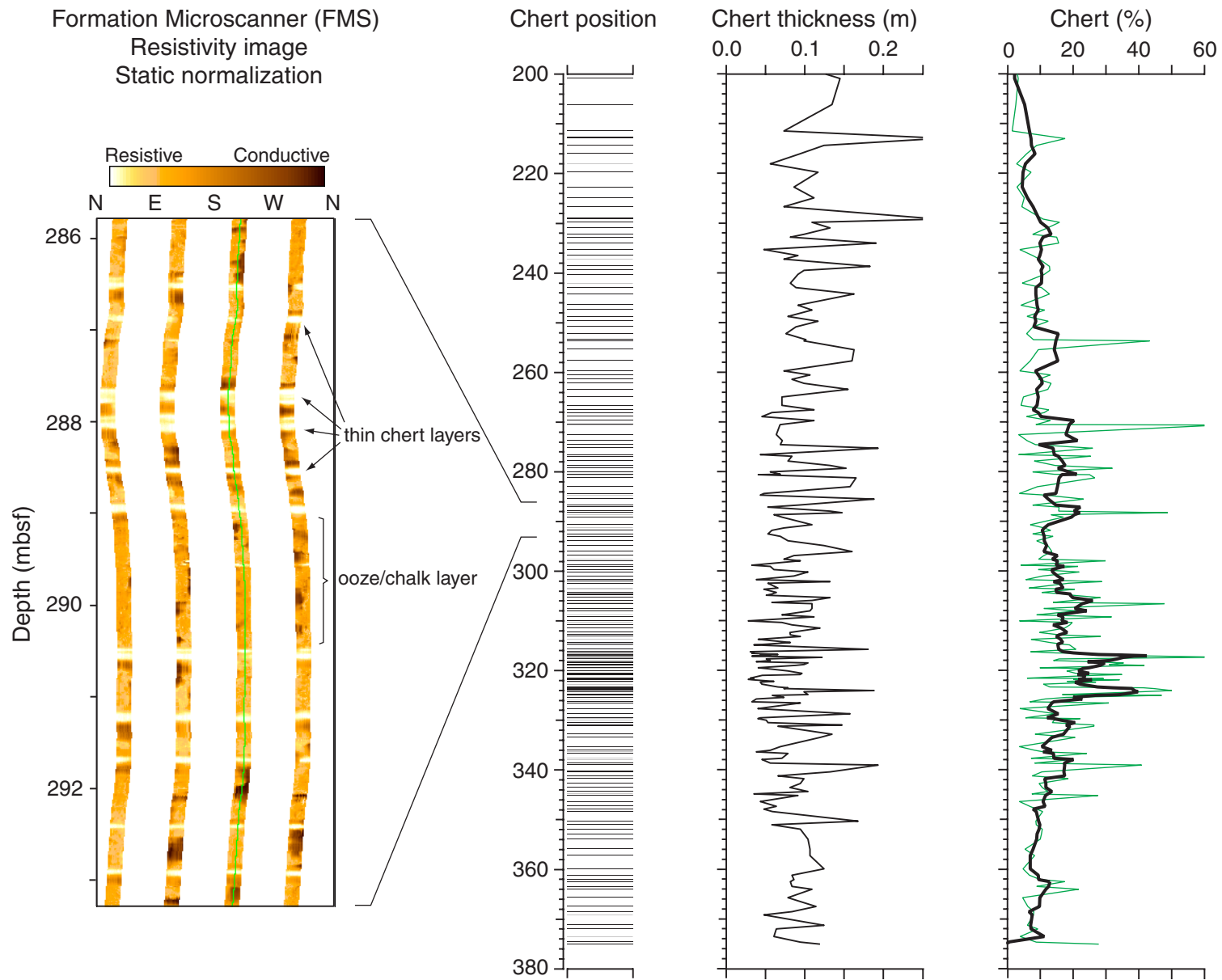


Figure F45

Southern Shatsky Rise Transect

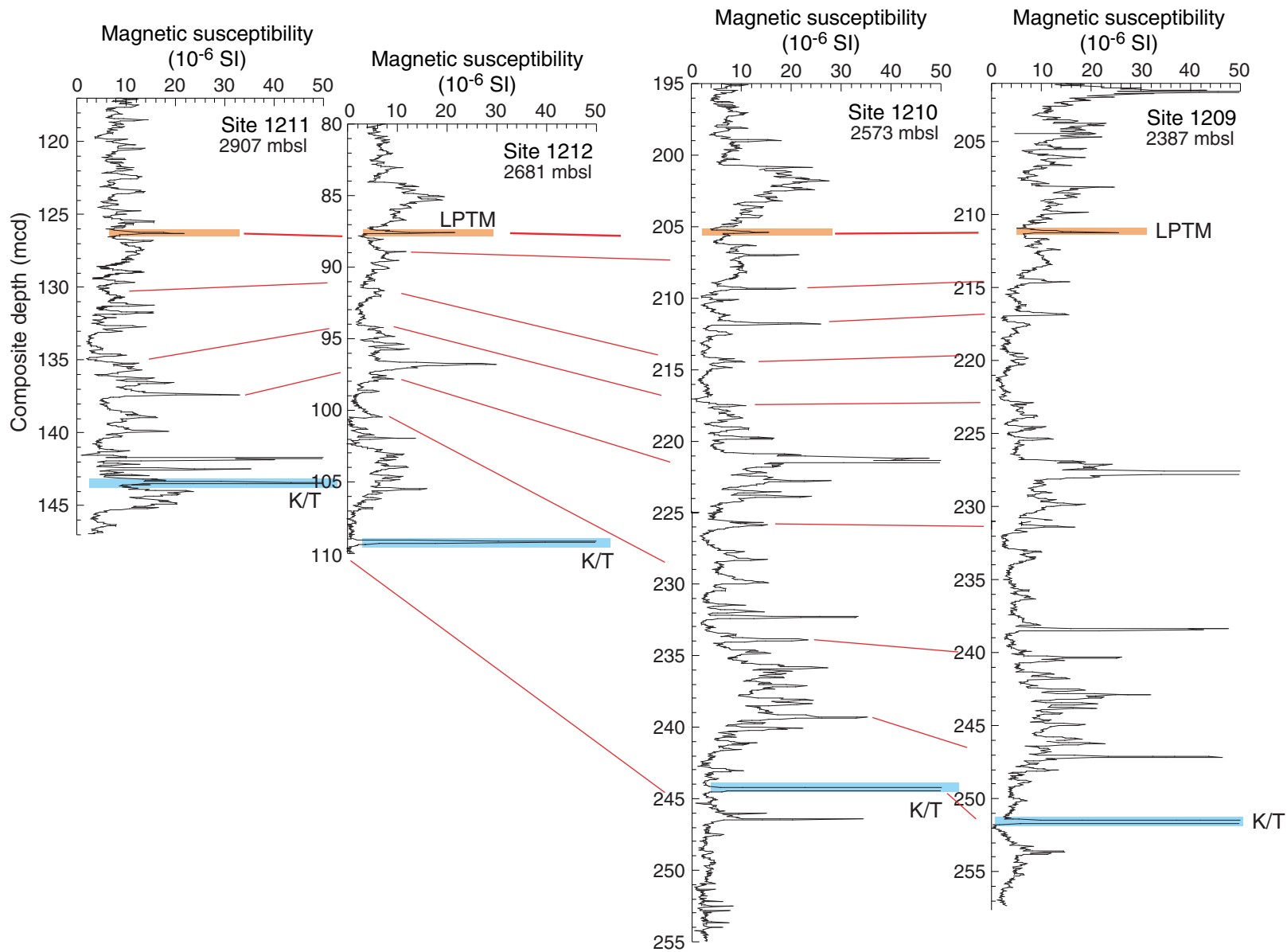


Figure F46

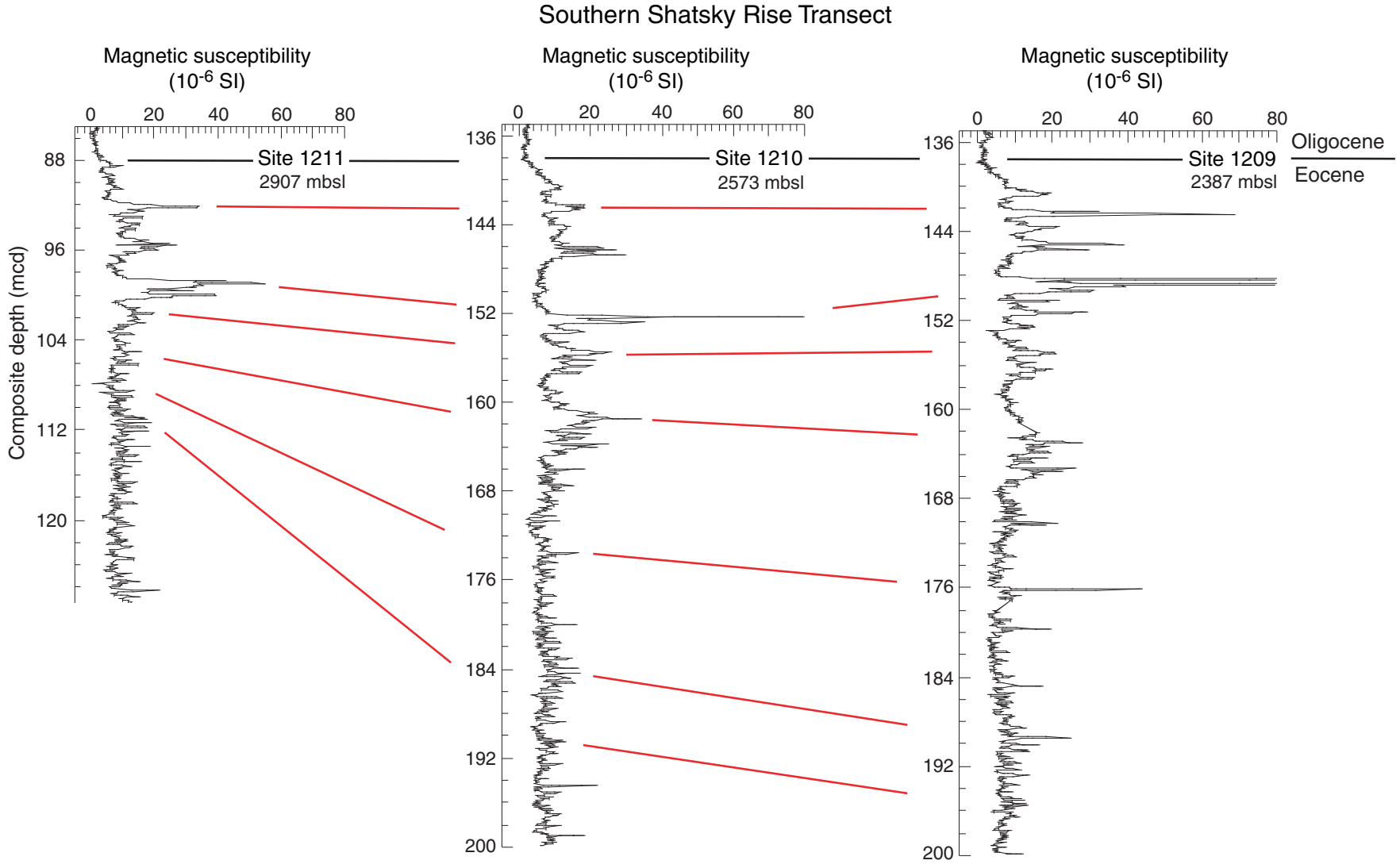


Figure F47

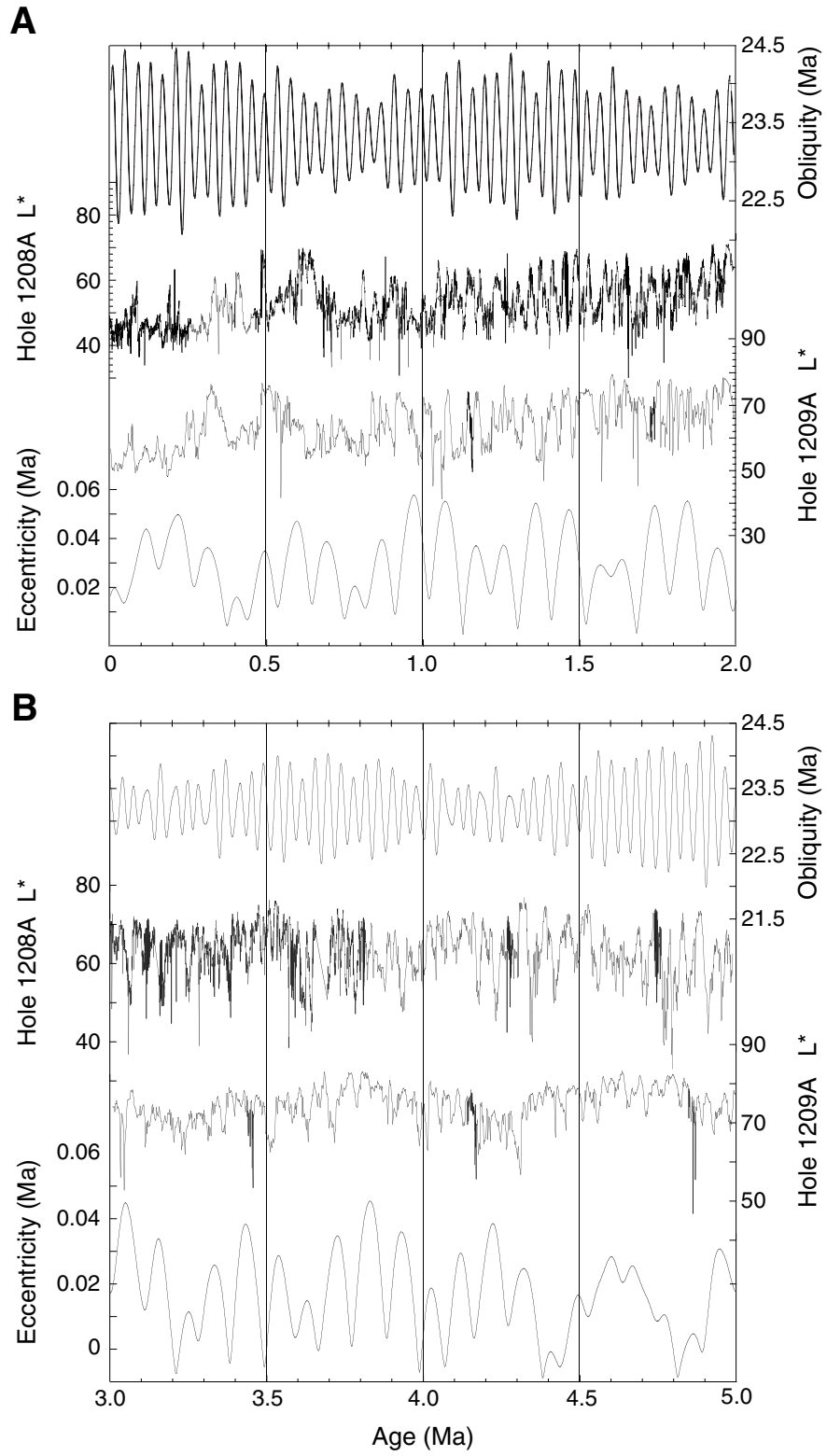


Figure F48

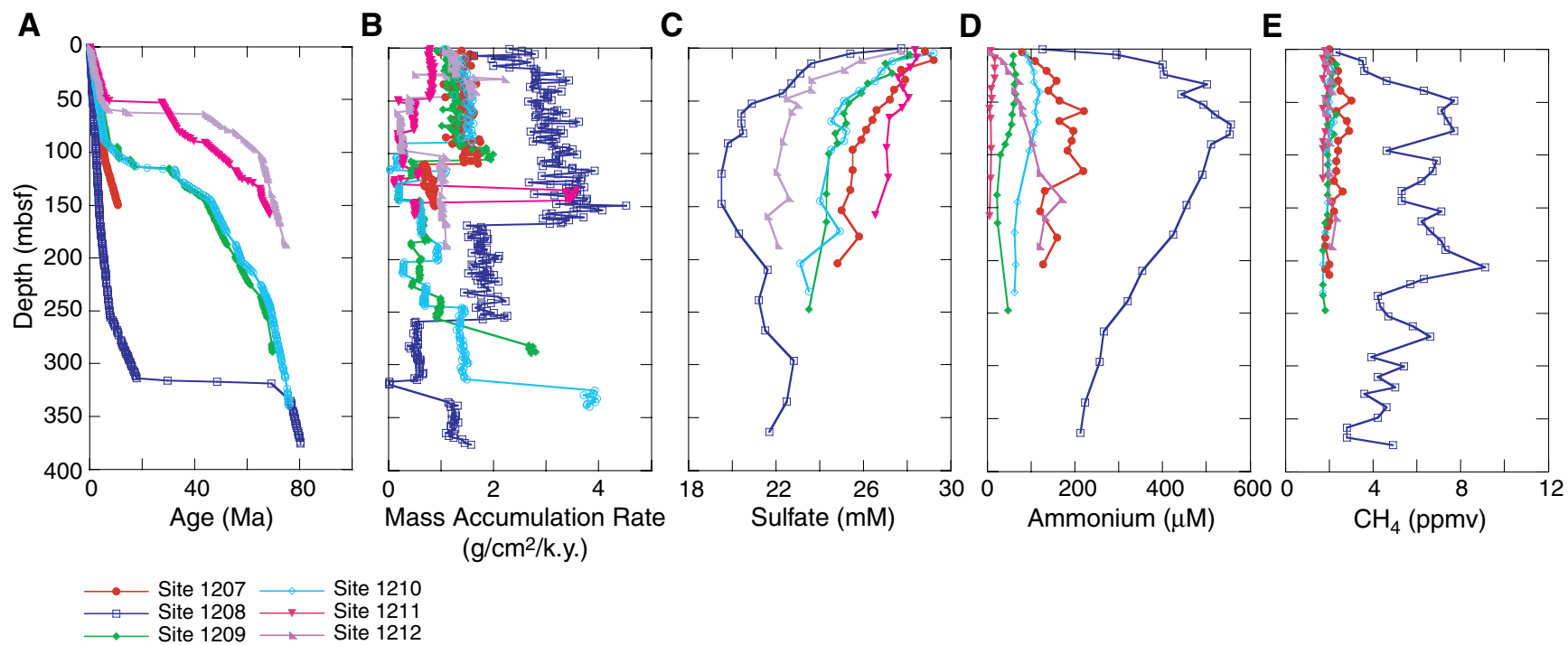


Figure F49

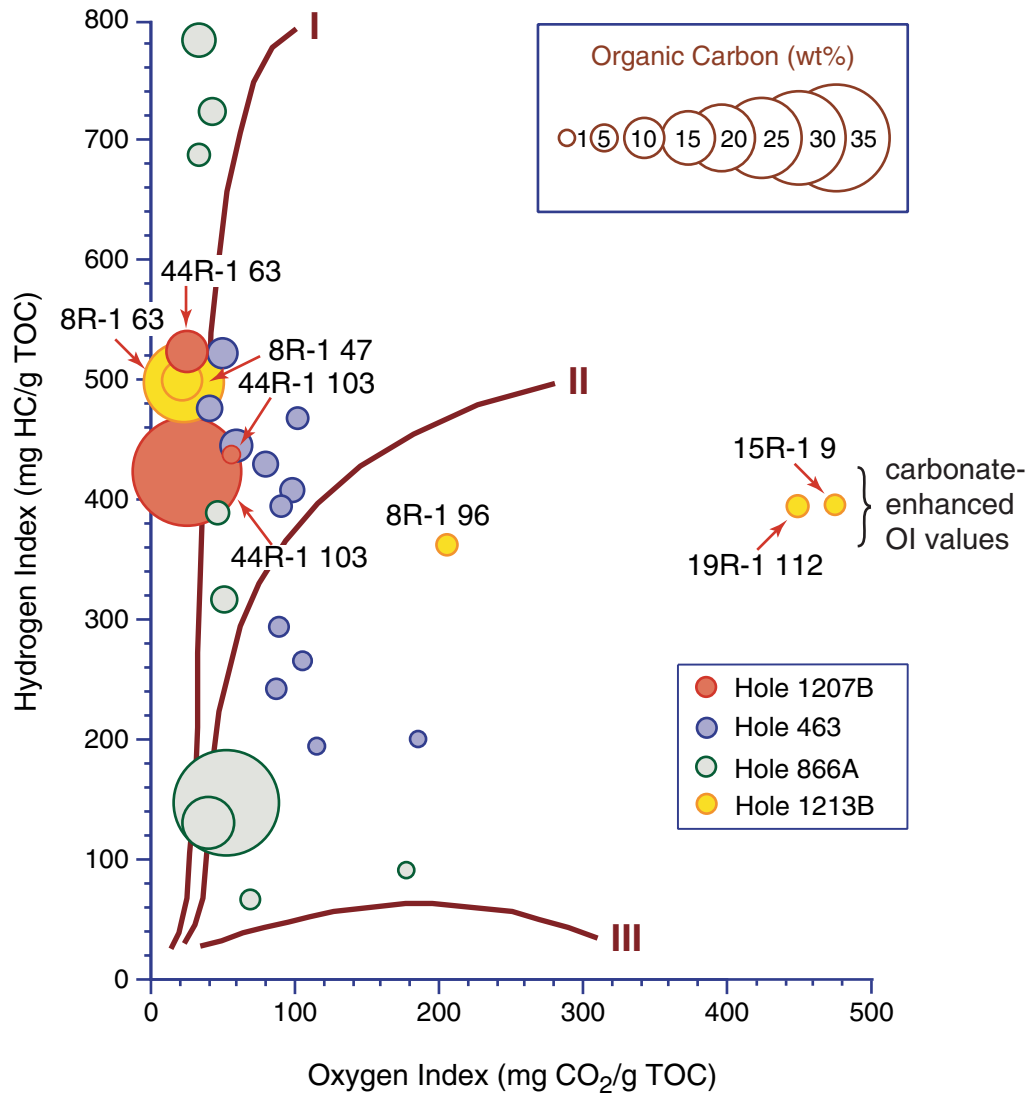
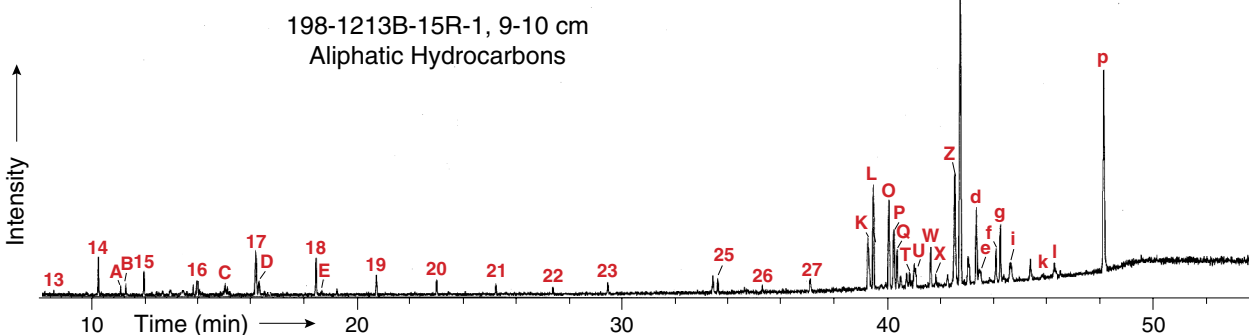
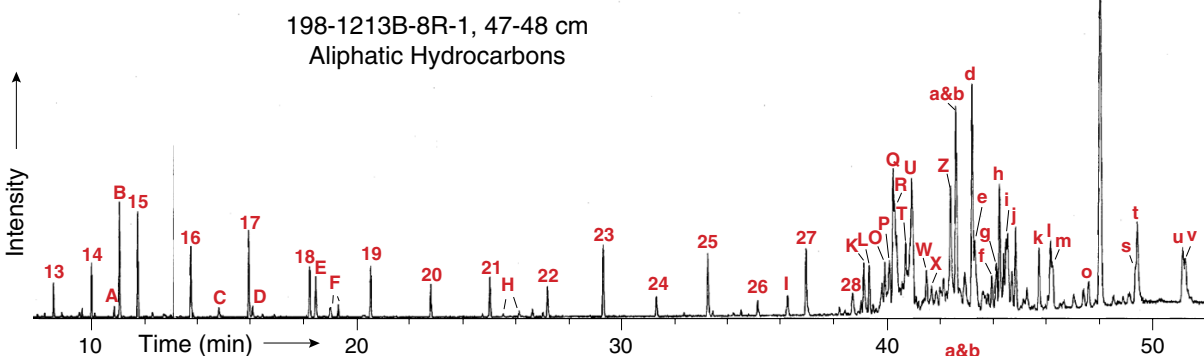
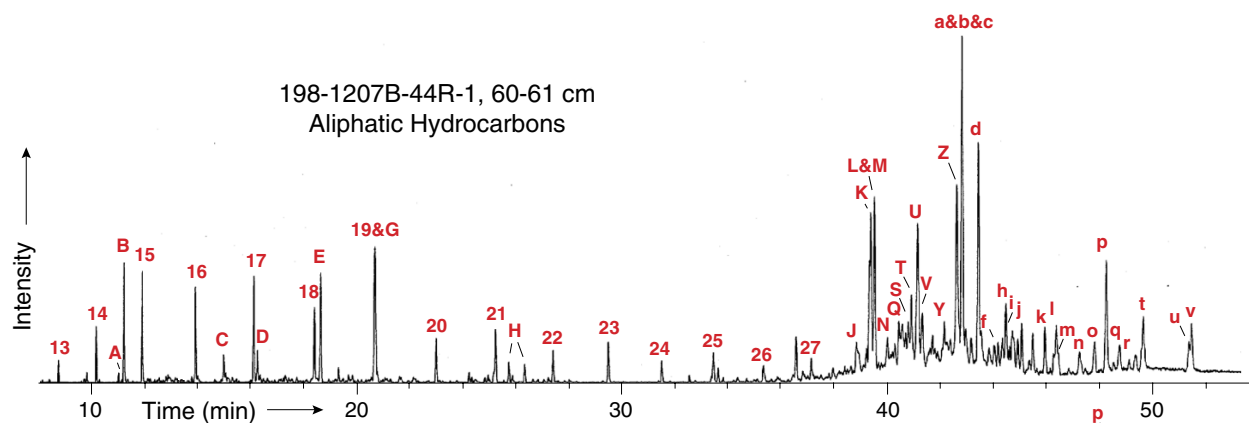


Figure F50



Peak Assignments and Identifications in Aliphatic Hydrocarbons Fractions

A	3-methyl C ₁₅	Q	C ₂₇ Δ ¹⁷ (21) hopene	h	C ₃₀ Δ ¹³ (18) neohopene
B	2,6,10-trimethyltridecane	R	C ₂₈ Δ ¹⁷ (21) methylhopene	i	C ₂₉ 17β,21β hopane
C	2,6,10-trimethylpentadecane	S	C ₂₇ 17α hopane	j	C ₃₁ Δ ¹⁷ (21) hopenes
D	pristane	T	C ₂₉ triterpene	k	C ₃₁ 17α,21β hopane
E	phytane	U	C ₂₇ 17β hopane	l	C ₃₀ 17β,21β hopane
F	phytenes	V	C ₂₈ 5α sterane	i	C ₃₂ Δ ¹⁷ (21) hopenes
G	C ₂₀ tricyclic terpane	W	C ₂₉ Δ ^{4,22} steradiene	m	C ₃₁ 17β,21β methylhopane
H	phenyl thiophenes	X	C ₂₉ Δ ^{5,22} steradiene	n	C ₃₂ 17α,21β hopane
I	hexamethyltetracosane	Y	C ₂₉ 5β sterane	o	C ₃₂ 17β,21α hopane
J	C ₂₇ 5β sterane	Z	C ₂₉ Δ ⁴ sterene	p	C ₃₁ 17β,21β hopane
K	C ₂₇ Δ ⁴ sterene	a	C ₂₉ Δ ⁵ sterene	q	C ₃₃ 17α,21β hopane
L	C ₂₇ Δ ⁵ sterene	b	C ₂₉ Δ ¹⁷ (21) hopene	r	C ₃₃ 17β,21α hopane
M	C ₂₇ 5α sterane	c	C ₂₉ 5α sterane	s	C ₃₃ 17β,21β methylhopane
N	Δ ¹³ (17) dammarene + C ₂₇ Δ ¹³ (18) neohopene	d	C ₃₀ Δ ¹⁷ (21) hopene	t	C ₃₂ 17β,21β hopane
O	C ₂₈ Δ ^{4,22} steradiene	e	C ₂₉ Δ ^{3,5} steradiene	u	C ₃₄ 17β,21β methylhopane
P	C ₂₈ Δ ^{5,22} steradiene	f	C ₃₀ 17α,21β hopane	v	C ₃₃ 17β,21β hopane
		g	fern-8-ene		

198-1214A-23R-1, 5-7 cm
Aliphatic Hydrocarbons

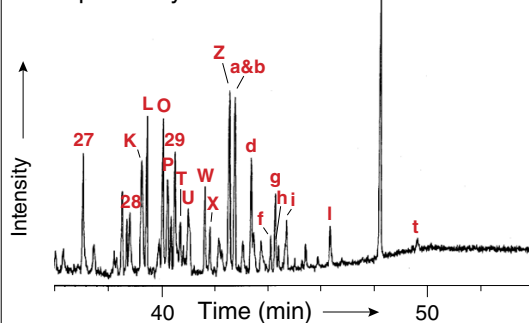
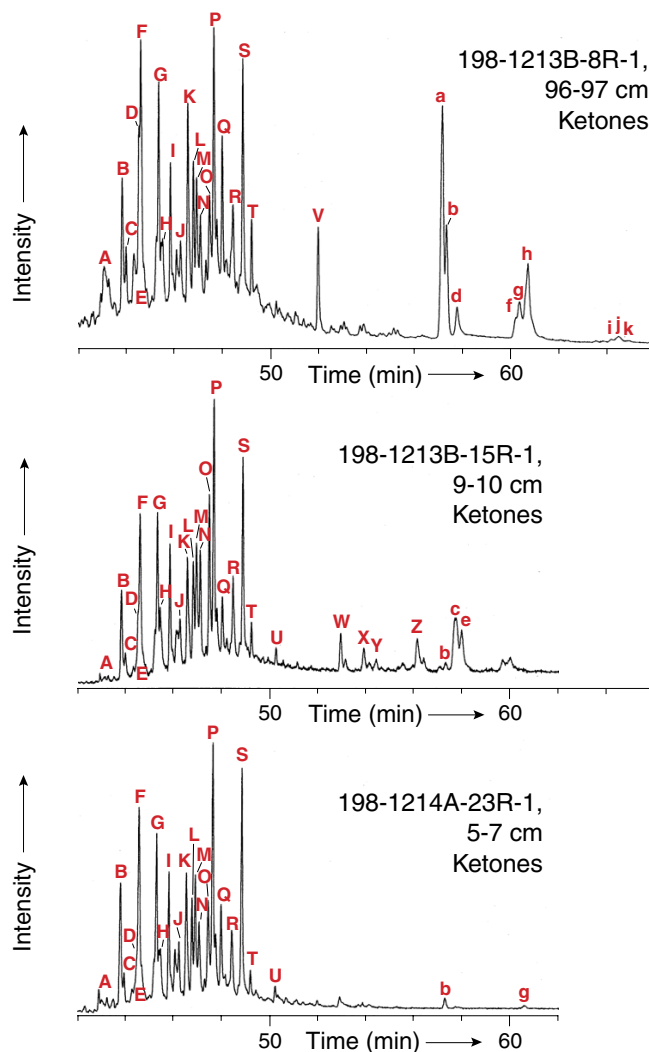


Figure F51



Peak Assignments and Identifications in Ketones Fractions

A β -, γ -tocopherol	T C ₃₀ triterpene +
B unknown	U C ₃₀ Δ^{22} 4-methyl 5 α stanone
C C ₂₇ 5 β stanone	V C ₃₀ 17 β ,21 β hopanone
D C ₂₇ 17 β hopanone	W C ₃₂ 17 β ,21 β methylhopanyl methyl ether
E α -tocopherol	X C ₂₇ Δ^5 stenyl ether
F C ₂₇ 5 α stanone	Y C ₂₈ stenyl ether
G C ₂₈ Δ^{22} stanone	Z C ₂₉ stenyl ether
H C ₂₈ 4-methyl 5 α stanone	a C ₃₄ 17 β ,21 β methylhopanone
I C ₂₇ Δ^4 stanone	b C ₃₃ 17 β ,21 β hopanone
J C ₂₈ 5 α stanone	c C ₂₉ Δ^{22} stenyl ether
K C ₂₈ $\Delta^{4,22}$ stanone	d C ₃₇ :2 methylalkenone
L C ₂₉ Δ^{22} stanone	e nonyl C ₂₉ stenyl ether
M C ₂₉ 5 β stanone	f C ₃₅ 17 β ,21 β methylhopanone
N C ₂₉ 4-methyl 5 α stanone	g C ₃₄ 17 β ,21 β hopanone
O C ₃₀ Δ^{22} 4-methyl 5 α stanone +	h C ₃₈ :2 ethylalkenone
C ₂₈ Δ^4 stanone	i C ₃₆ 17 β ,21 β methylhopanone
P C ₂₉ 5 α stanone	j C ₃₅ 17 β ,21 β hopanone
Q C ₂₉ $\Delta^{4,22}$ stanone	k C ₃₉ :2 methylalkenone
R C ₃₀ 4-methyl 5 α stanone	
S C ₂₉ Δ^4 stanone	

Figure F51 (continued)

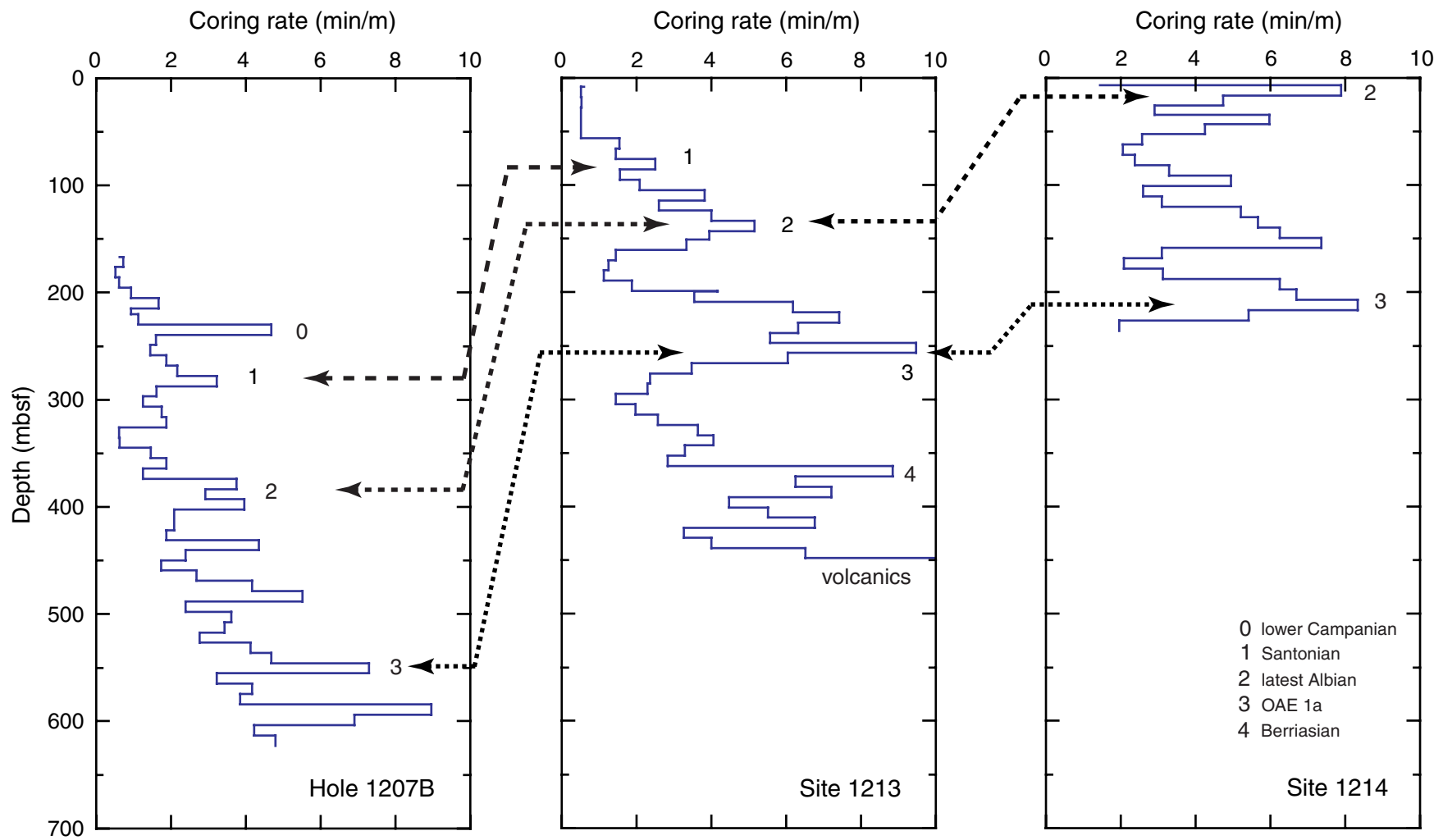


Figure F52

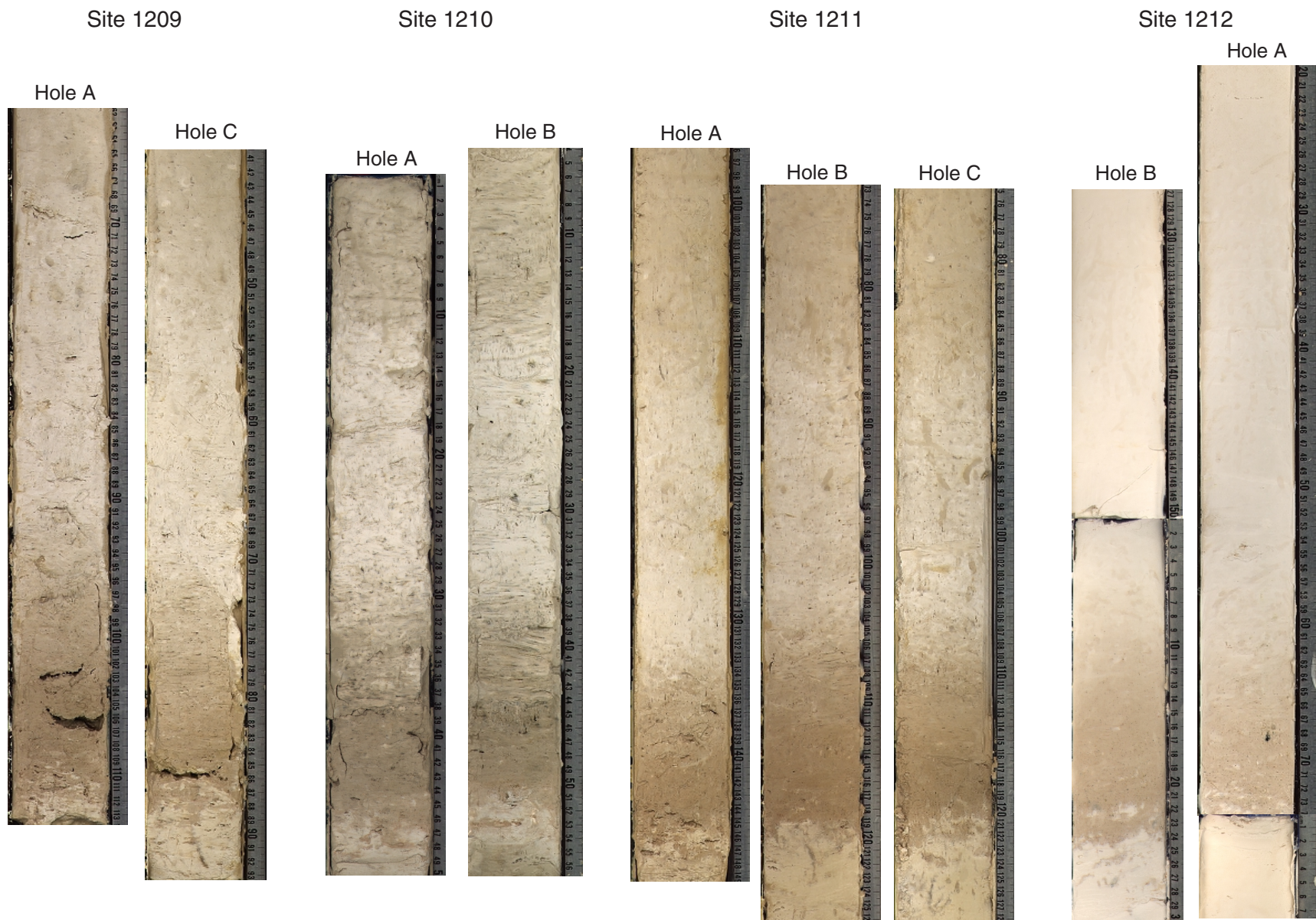


Figure F53

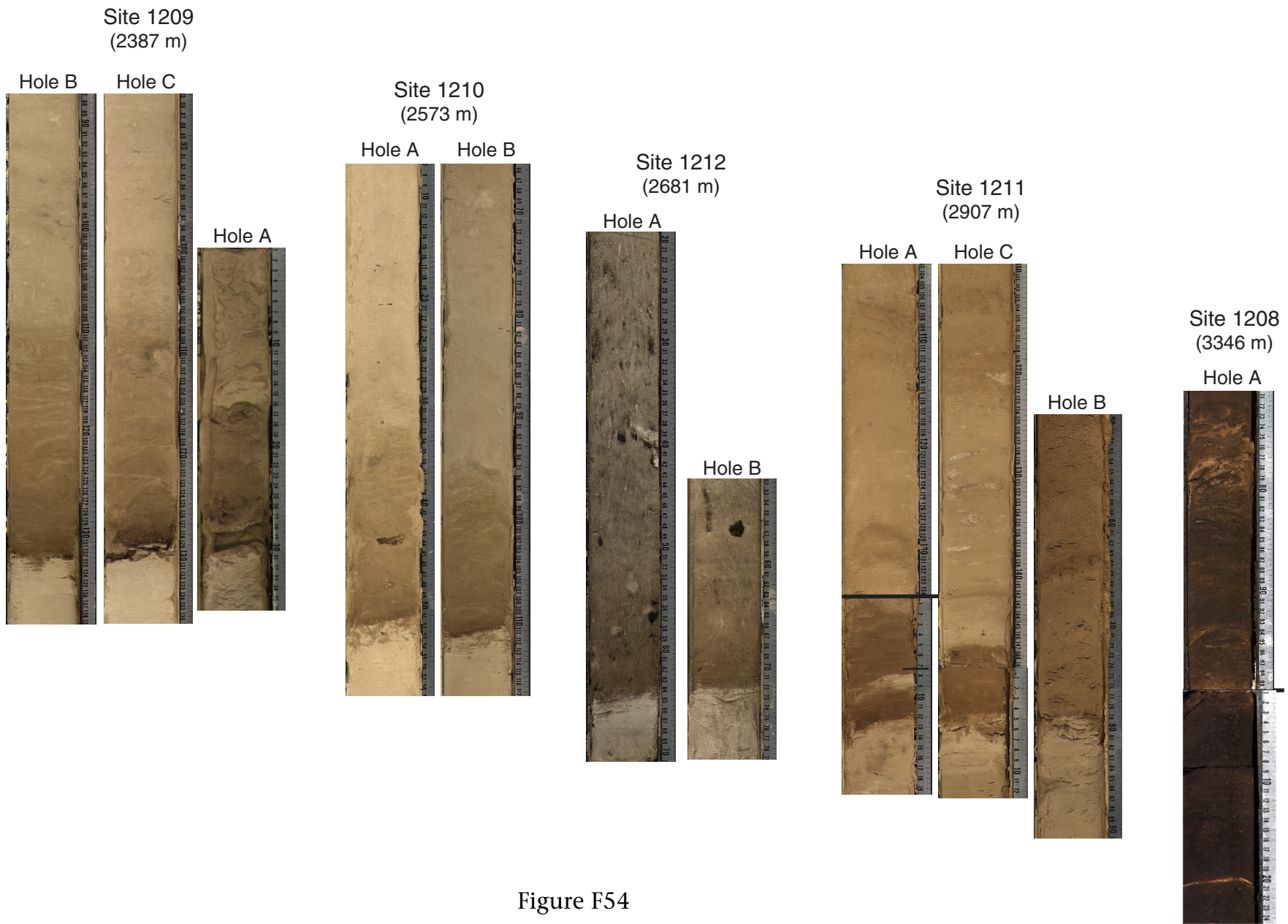


Figure F54

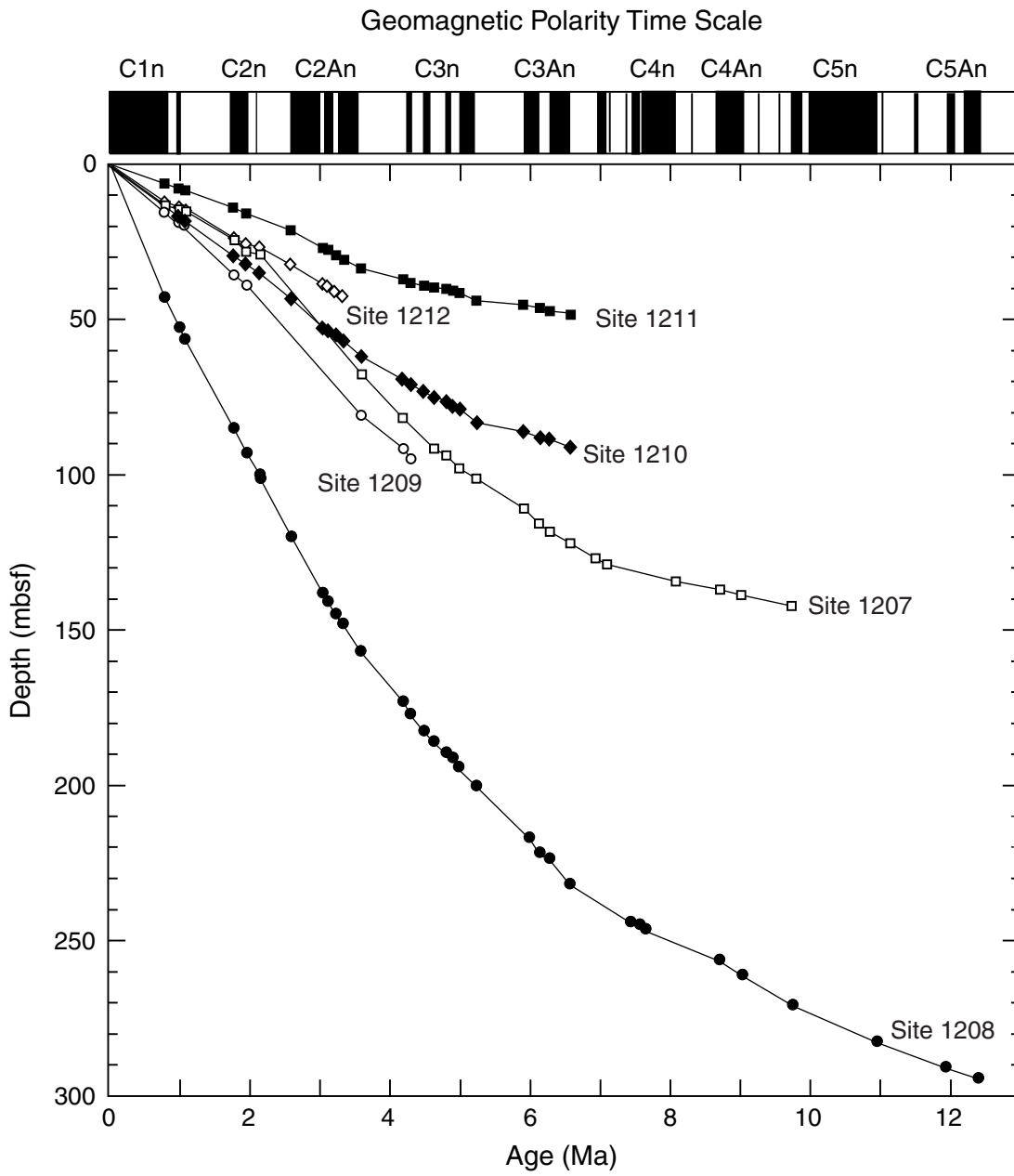


Figure F55

