

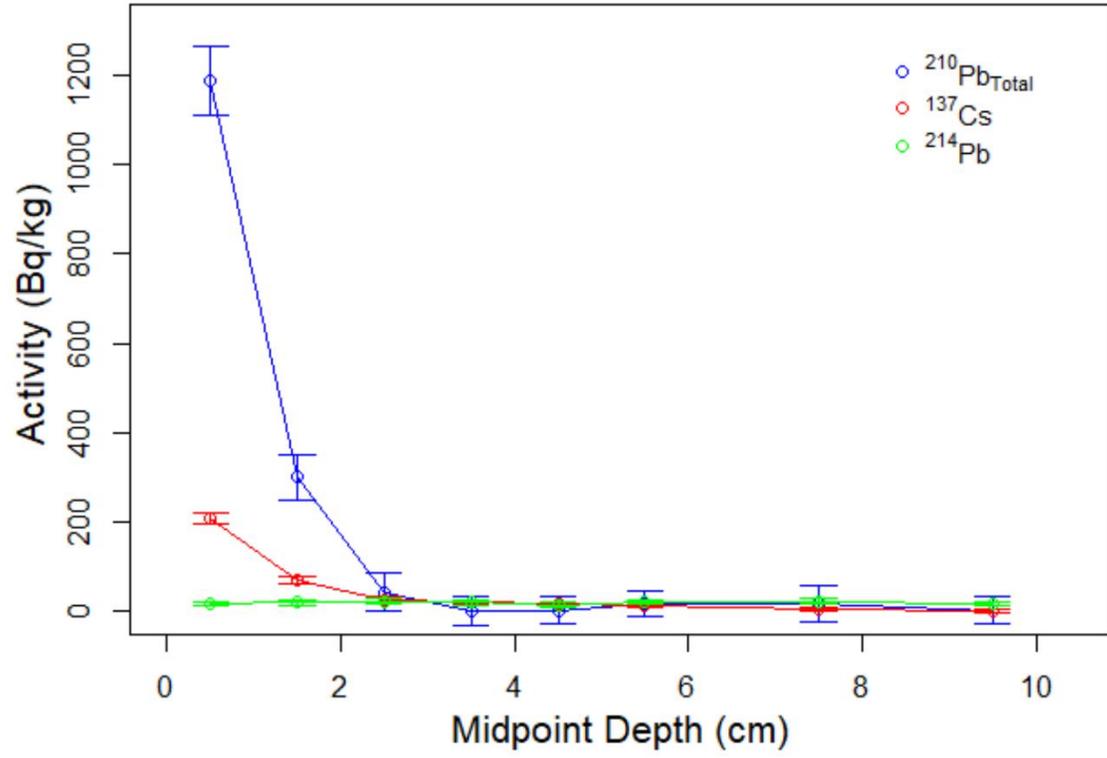
1 **Metadata**

2 Activity profiles ( $\text{Bq kg}^{-1}$ ) and high-resolution core photograph scaled to the sediment core depth (cm)  
3 for each of the 37 lakes for three radioisotopes; Total  $^{210}\text{Pb}$  in blue,  $^{137}\text{Cs}$  in red and  $^{214}\text{Pb}$  in green. While  
4  $^{210}\text{Pb}_{\text{Total}}$  is expected to follow an exponential decay,  $^{137}\text{Cs}$  should indicate, if free of post-depositional  
5 movement, the date of 1963 CE and  $^{214}\text{Pb}$  accounts for the background, supported quantity of  $^{210}\text{Pb}$   
6 present in the sediment.

7

8 Age-Depth profiles for three different dating models compared (C.F.C.S. in blue, C.I.C. in green and C.R.S.  
9 in red) shown for the 37 sampled lakes. The selected model is indicated in parentheses in the plot title.  
10 The location of the measured  $^{137}\text{Cs}$  peak concentration in the core is shown in grey, with error bars  
11 accounting for its potential location between two sequential dated intervals

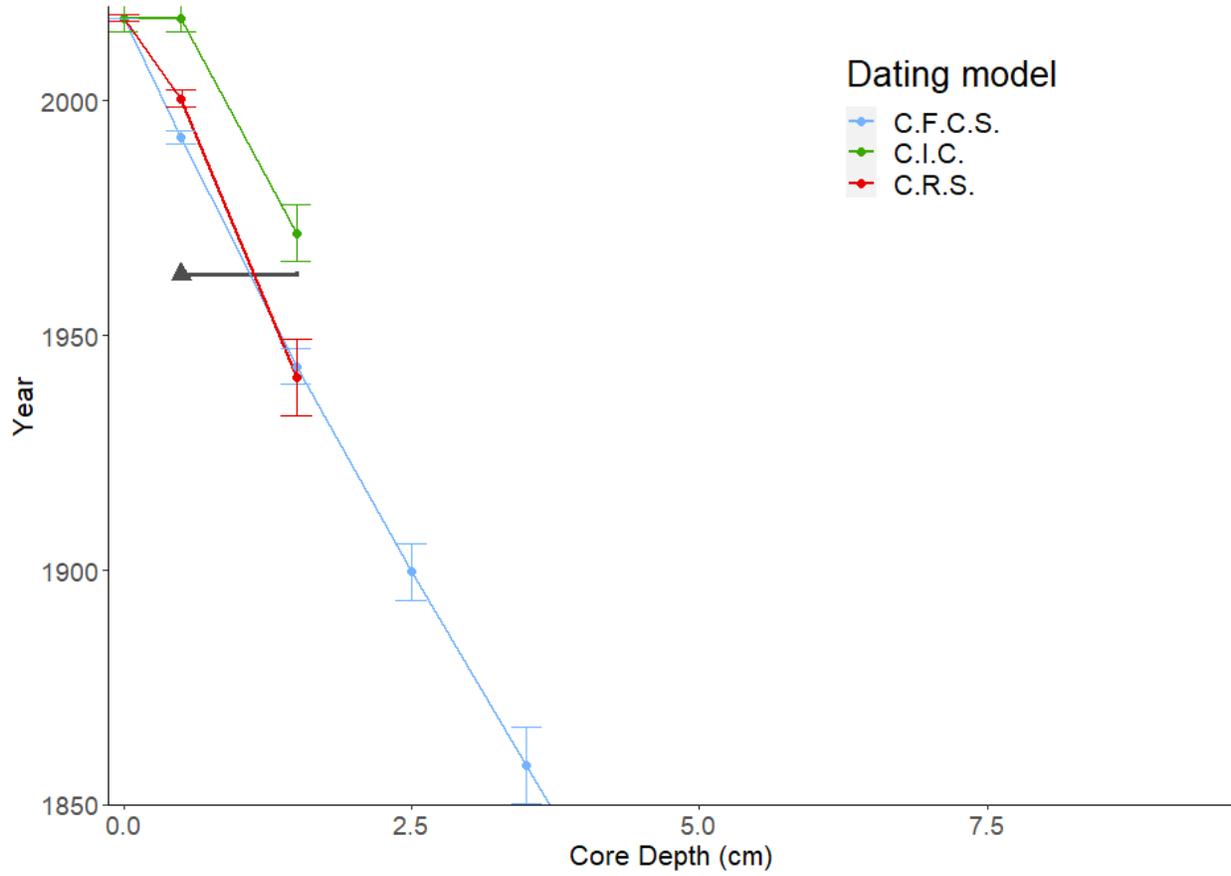
06-071



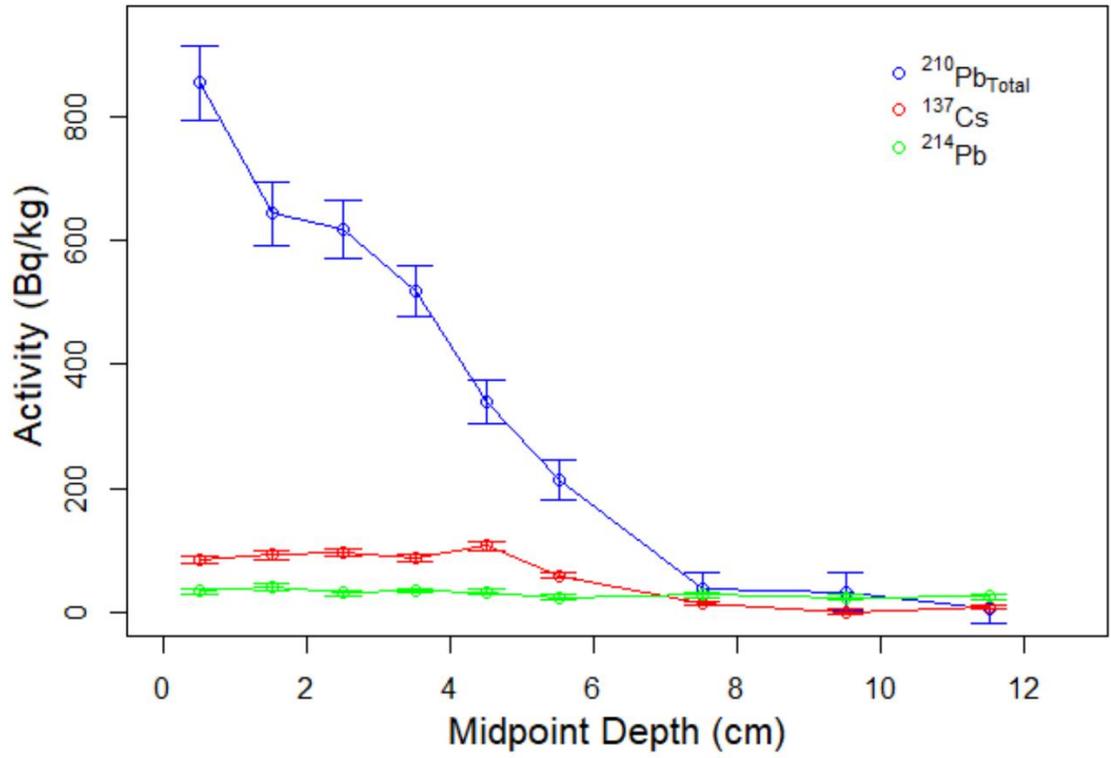
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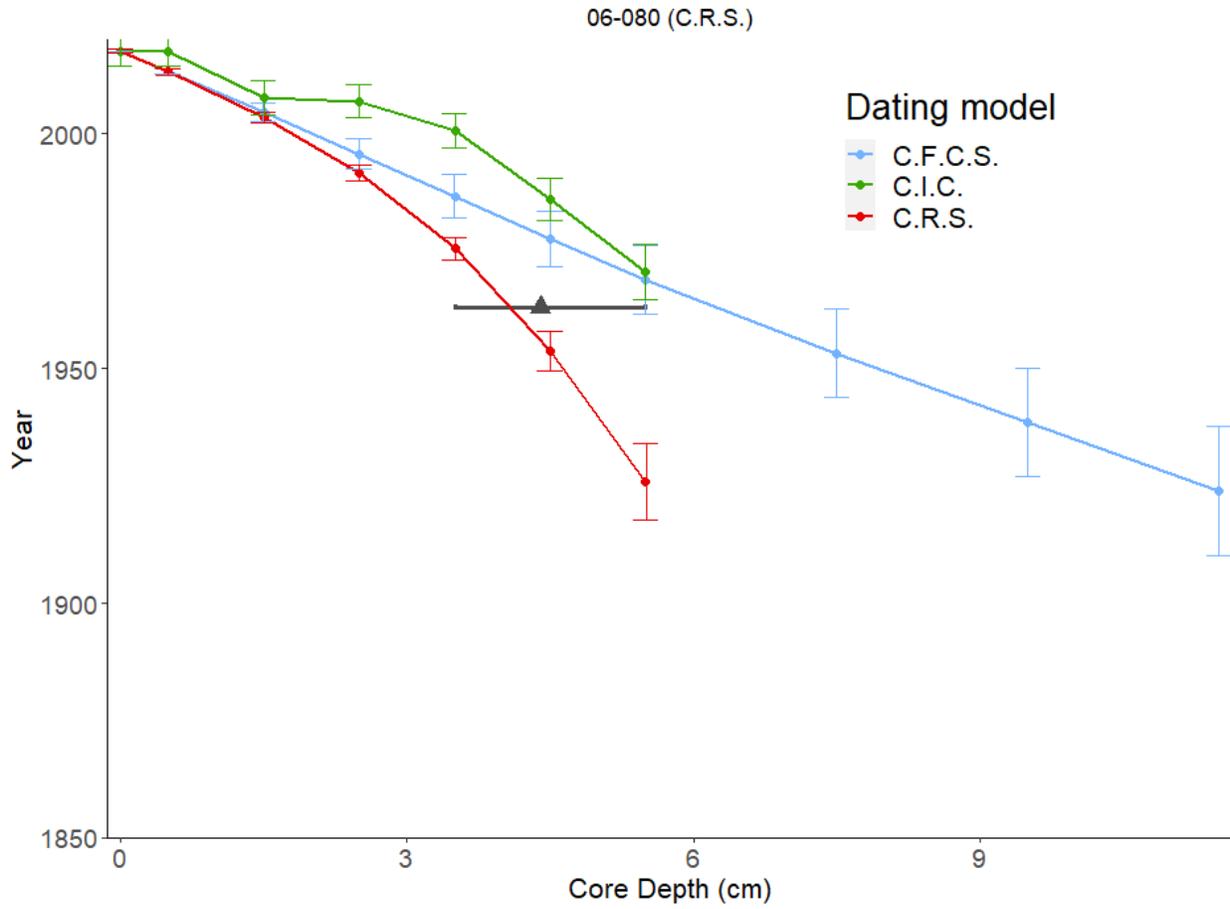


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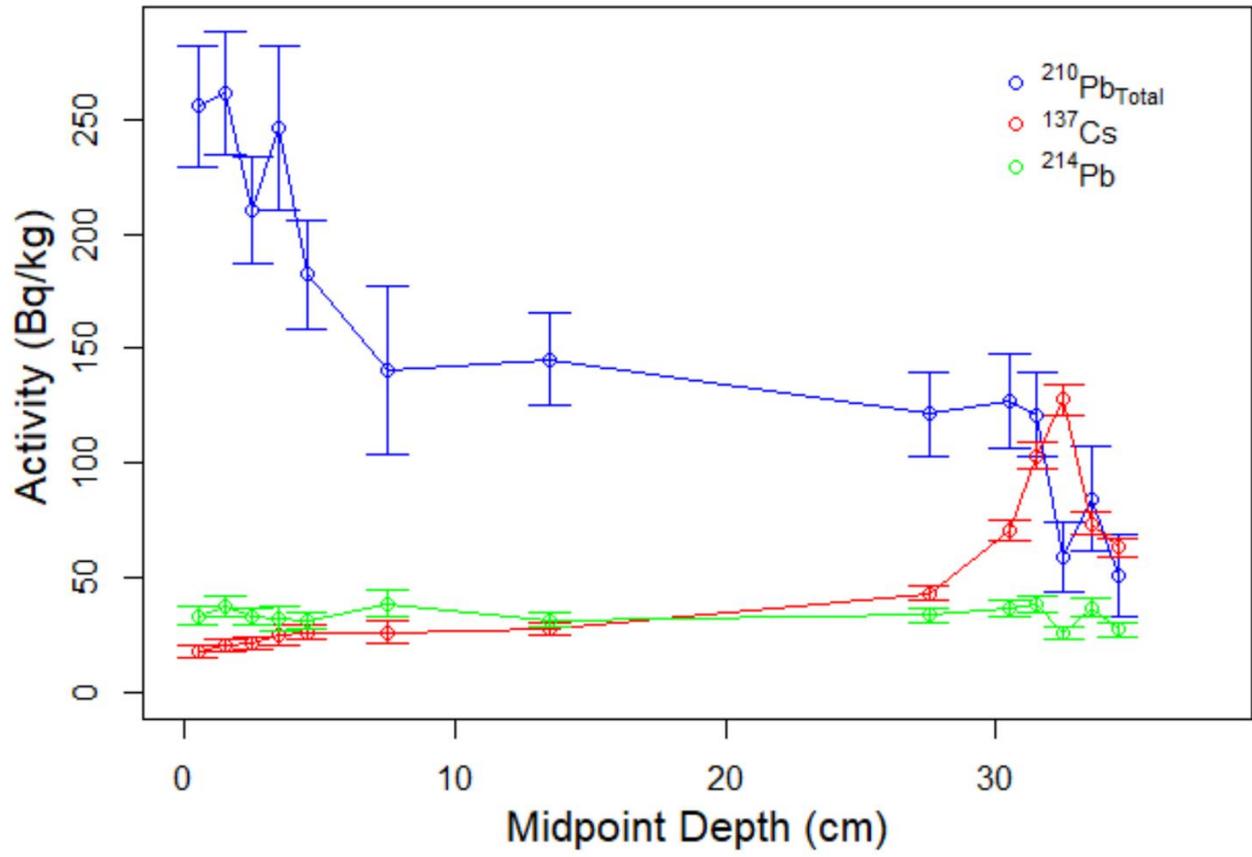


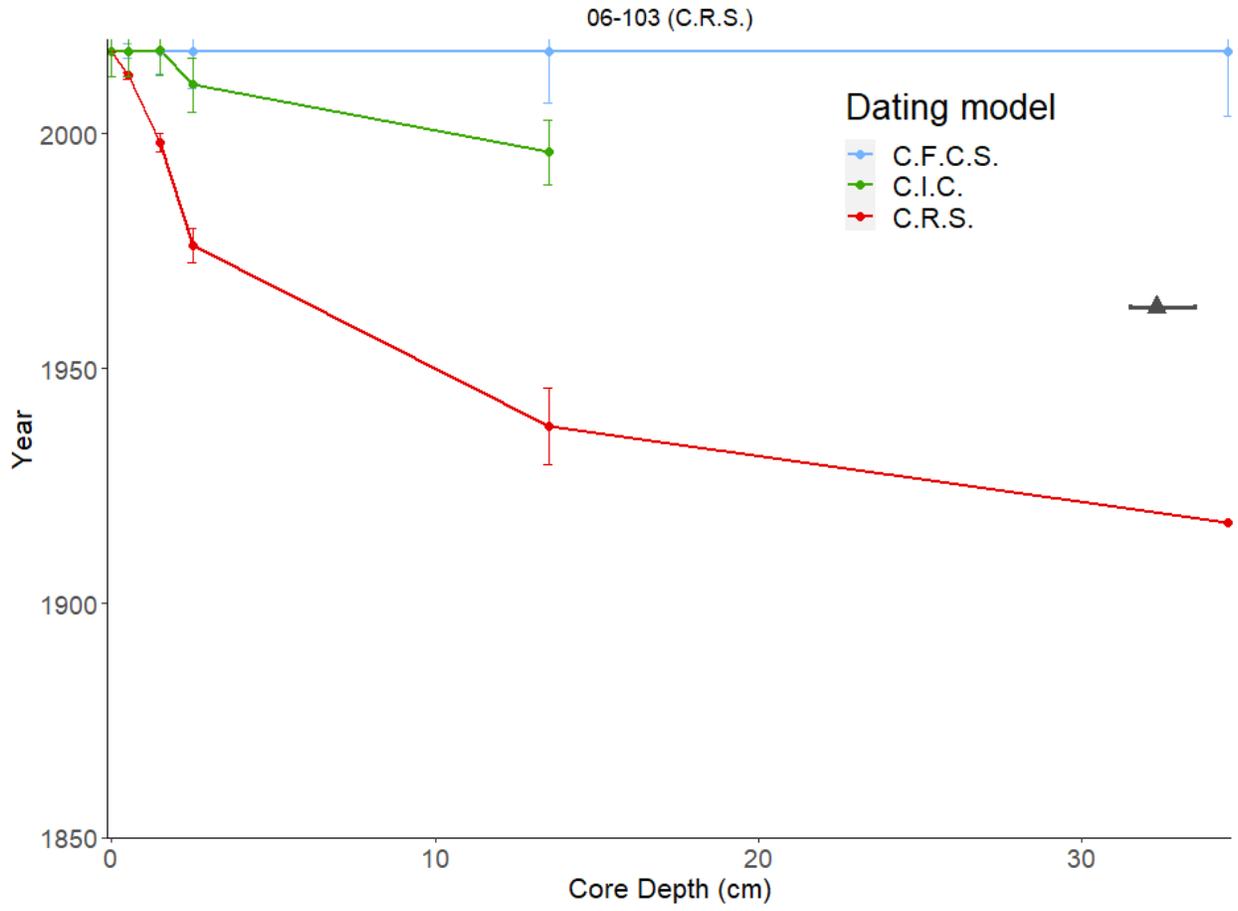
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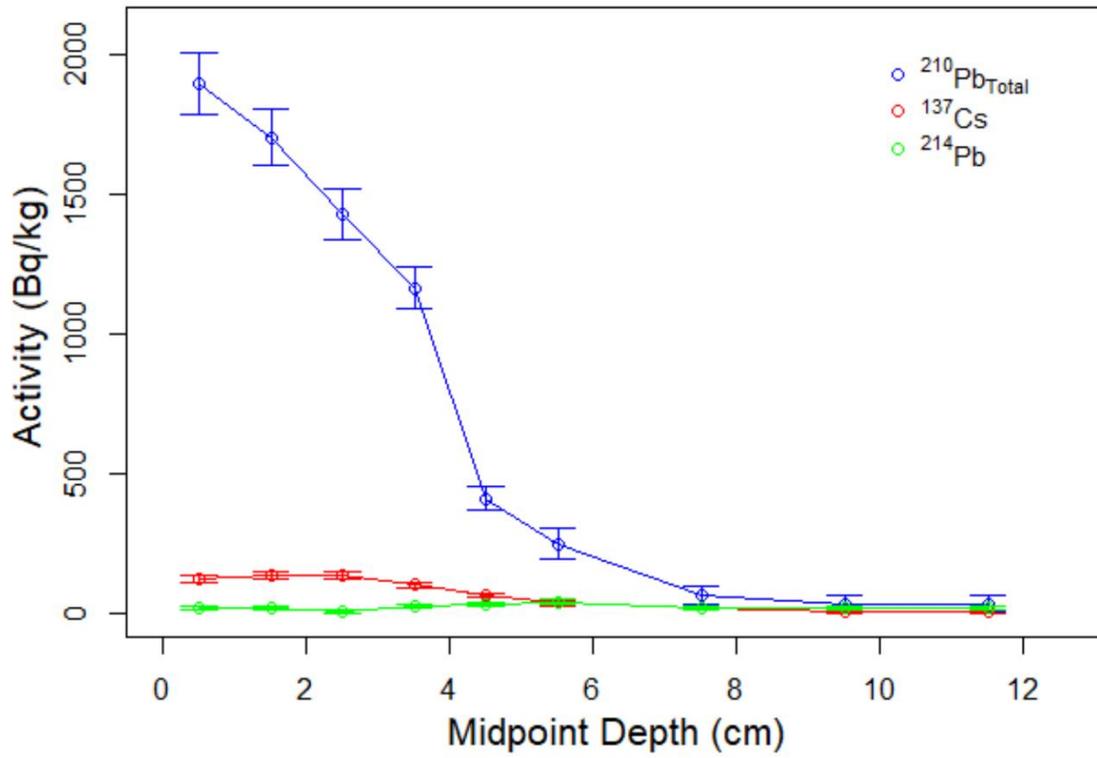


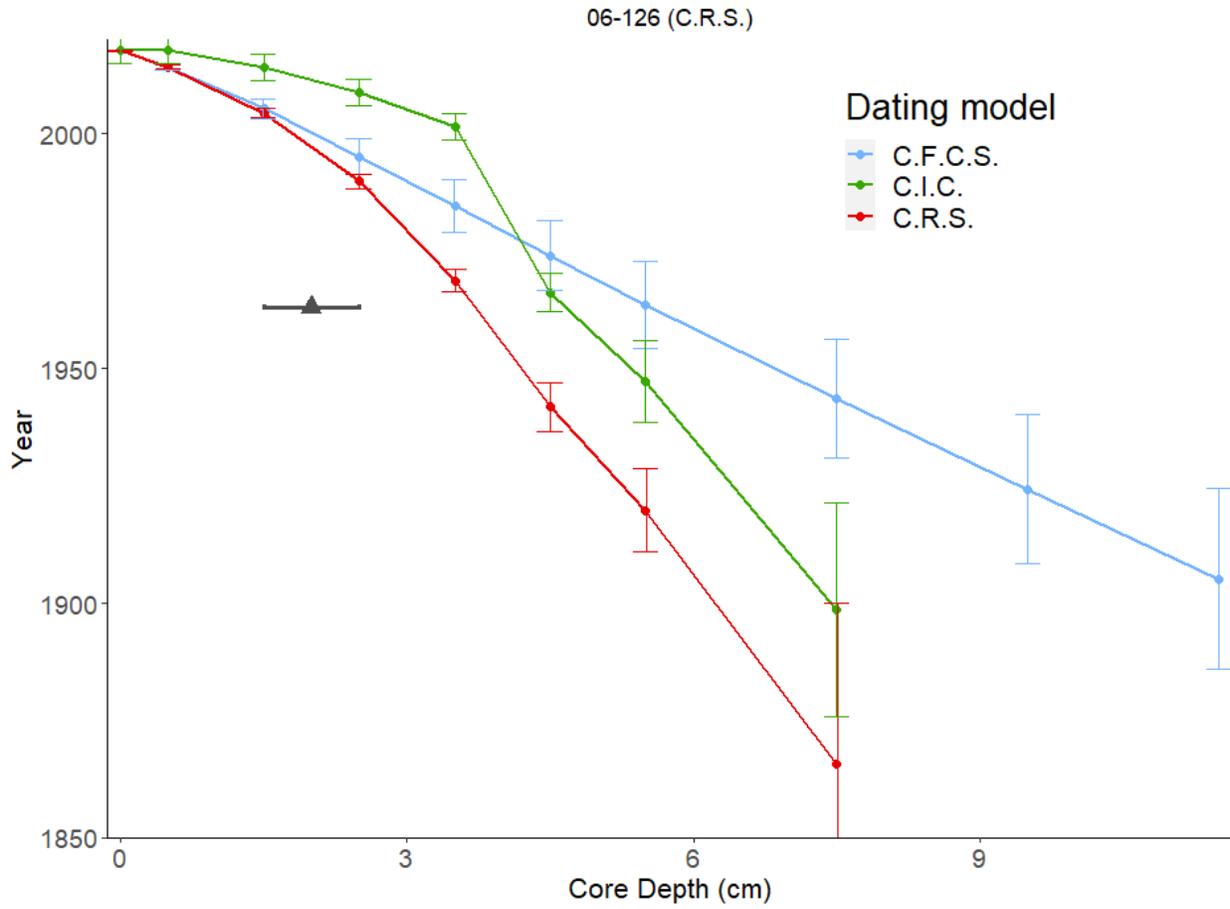
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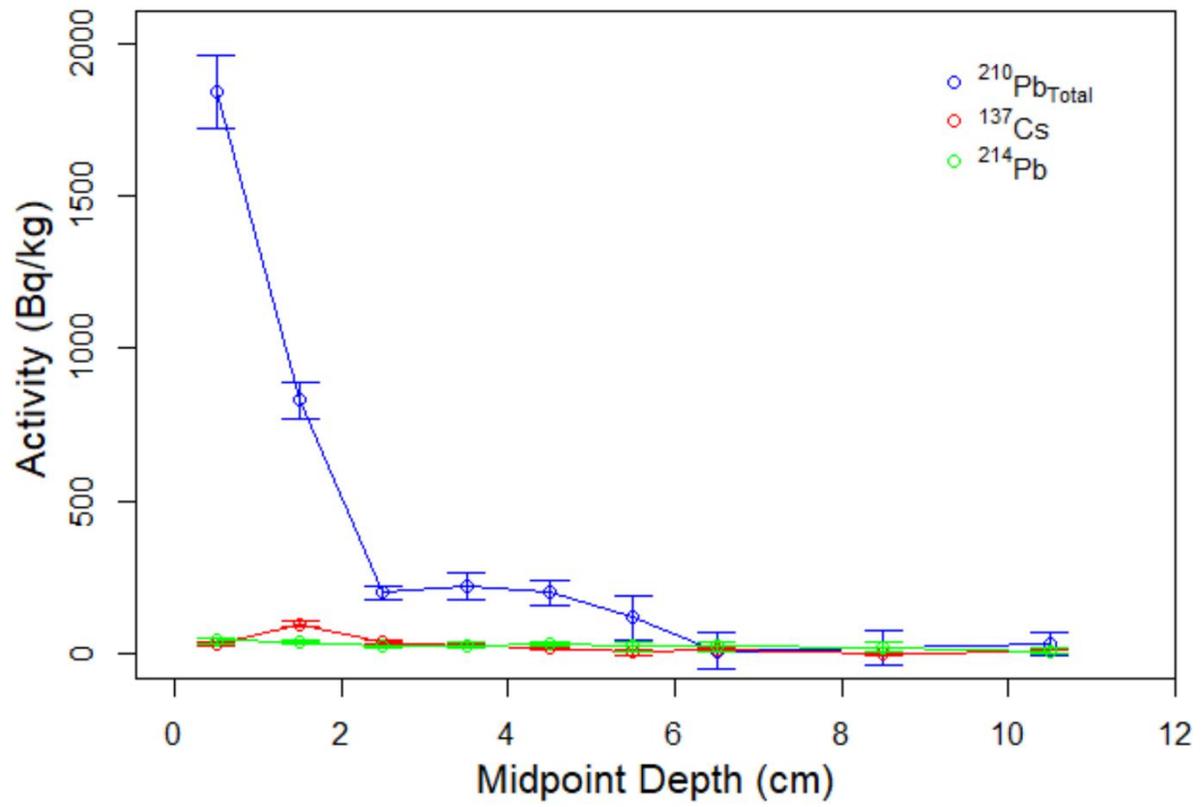


06-126

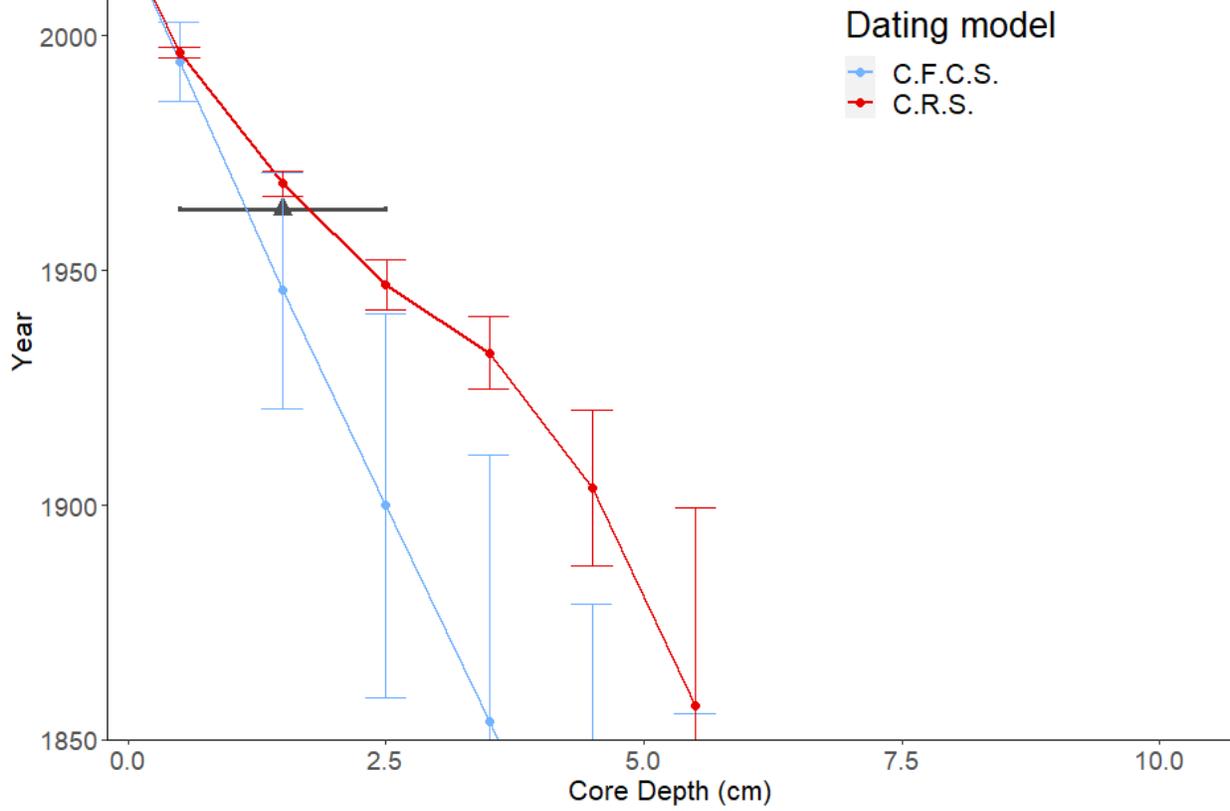




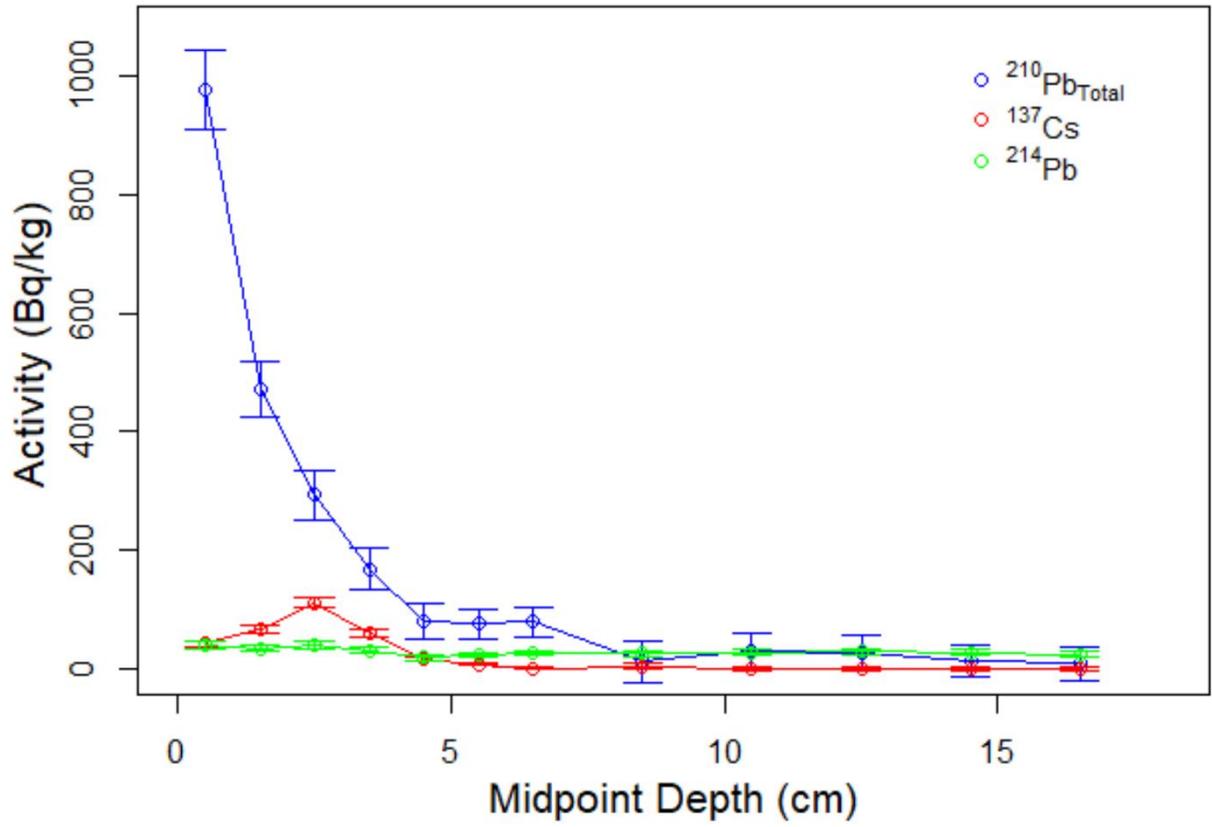
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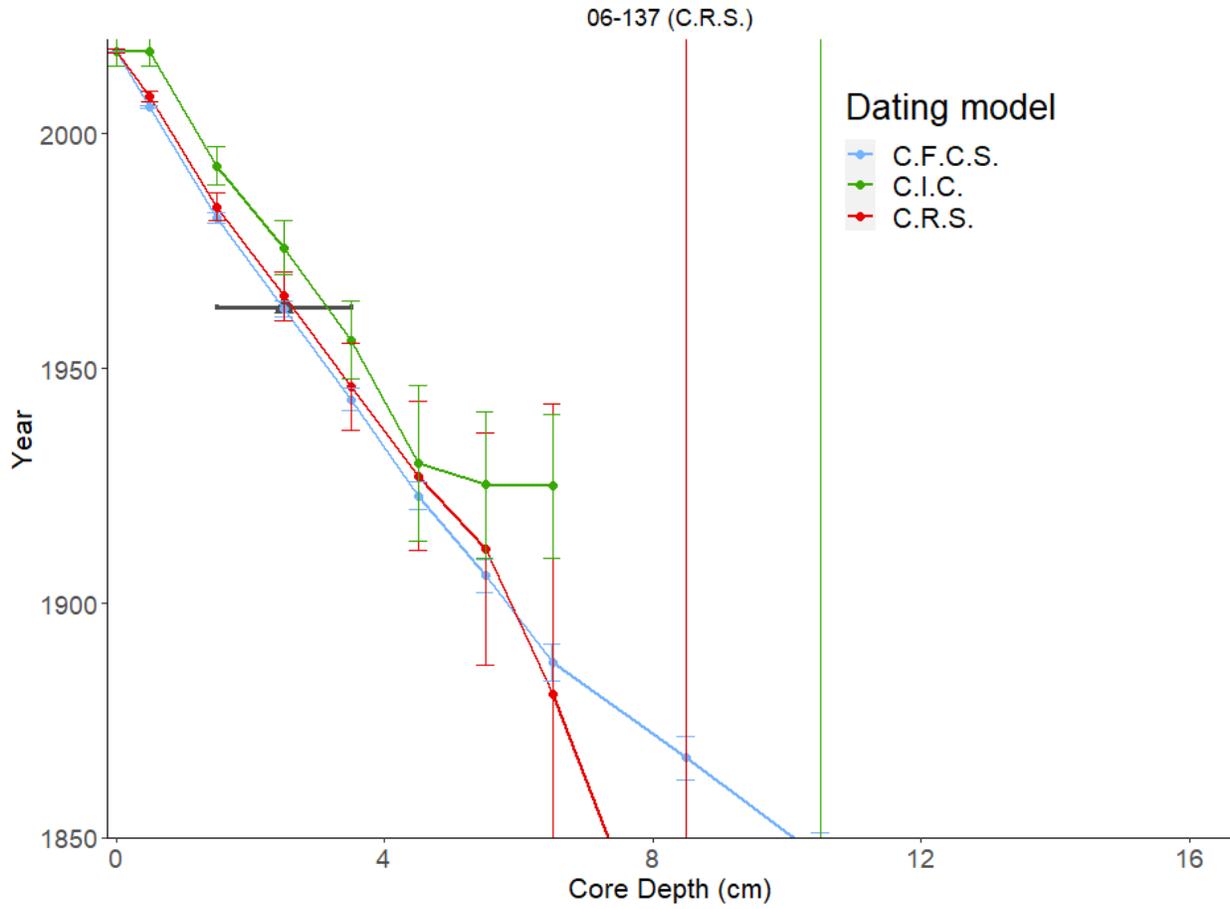


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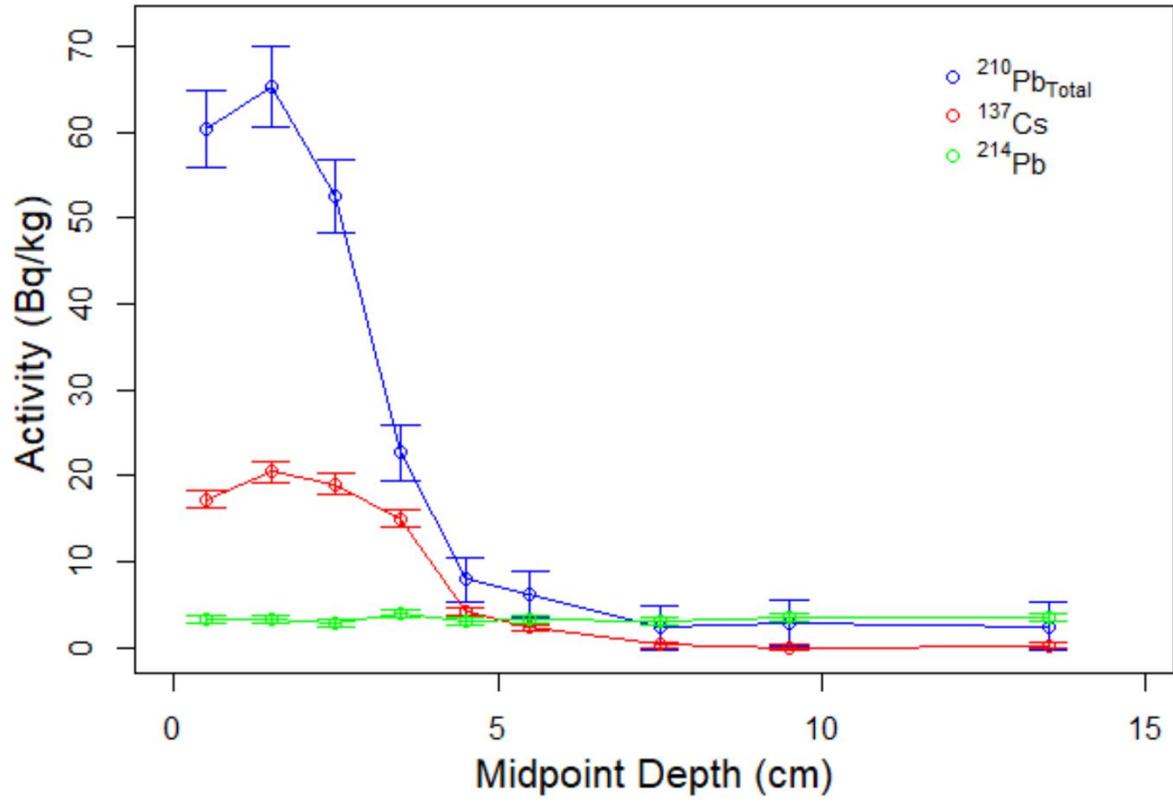


06-137





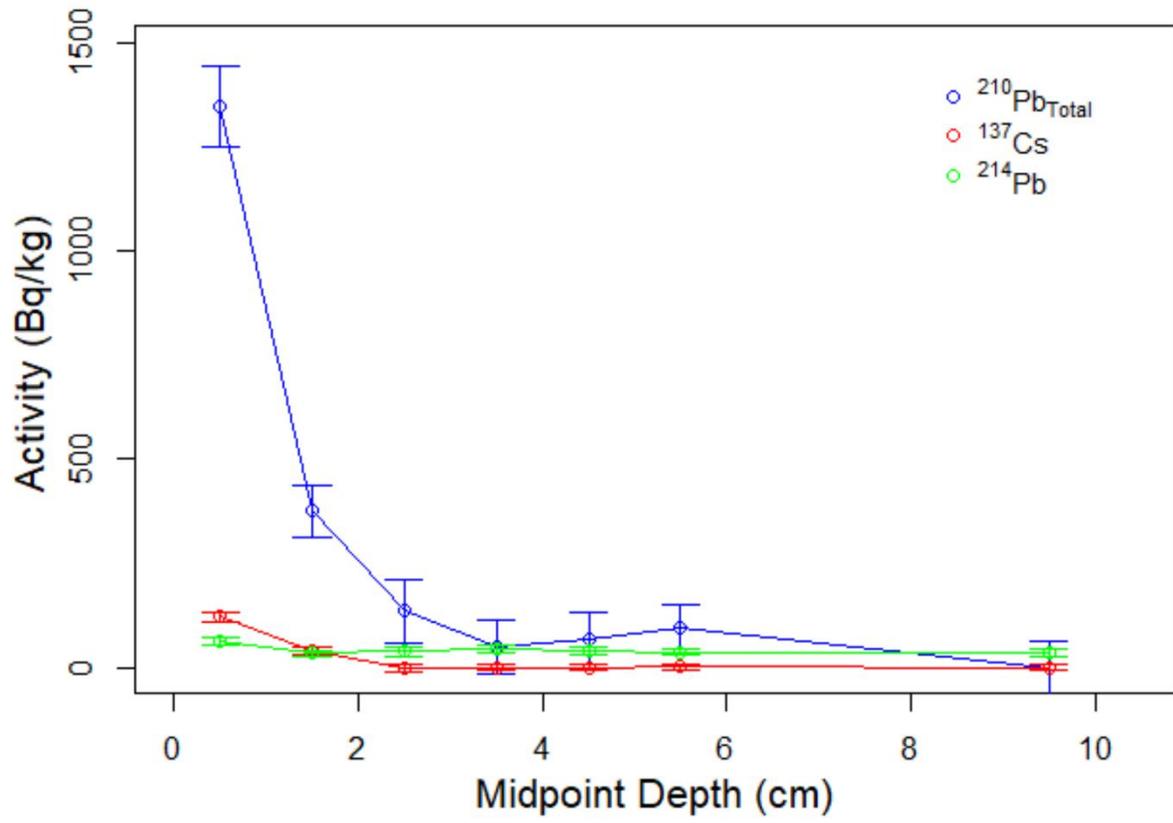
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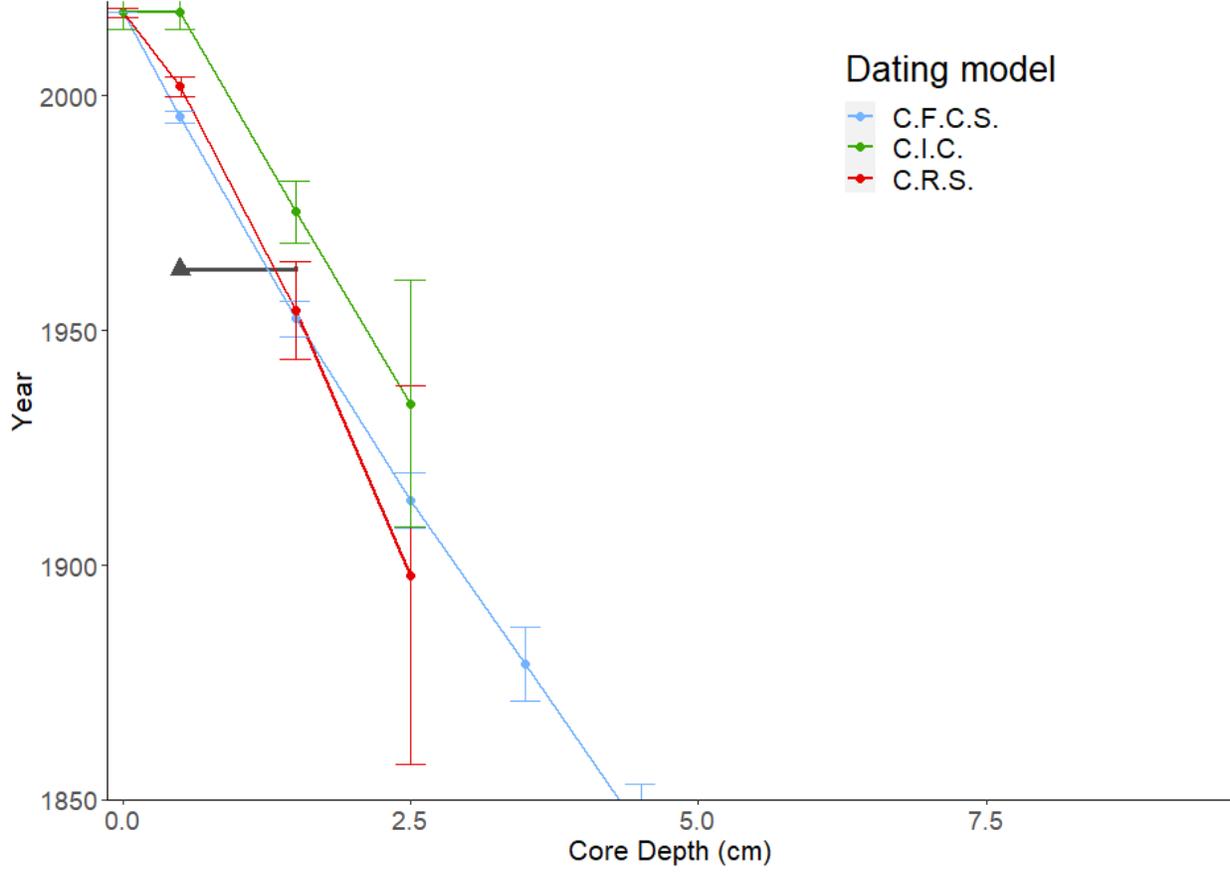
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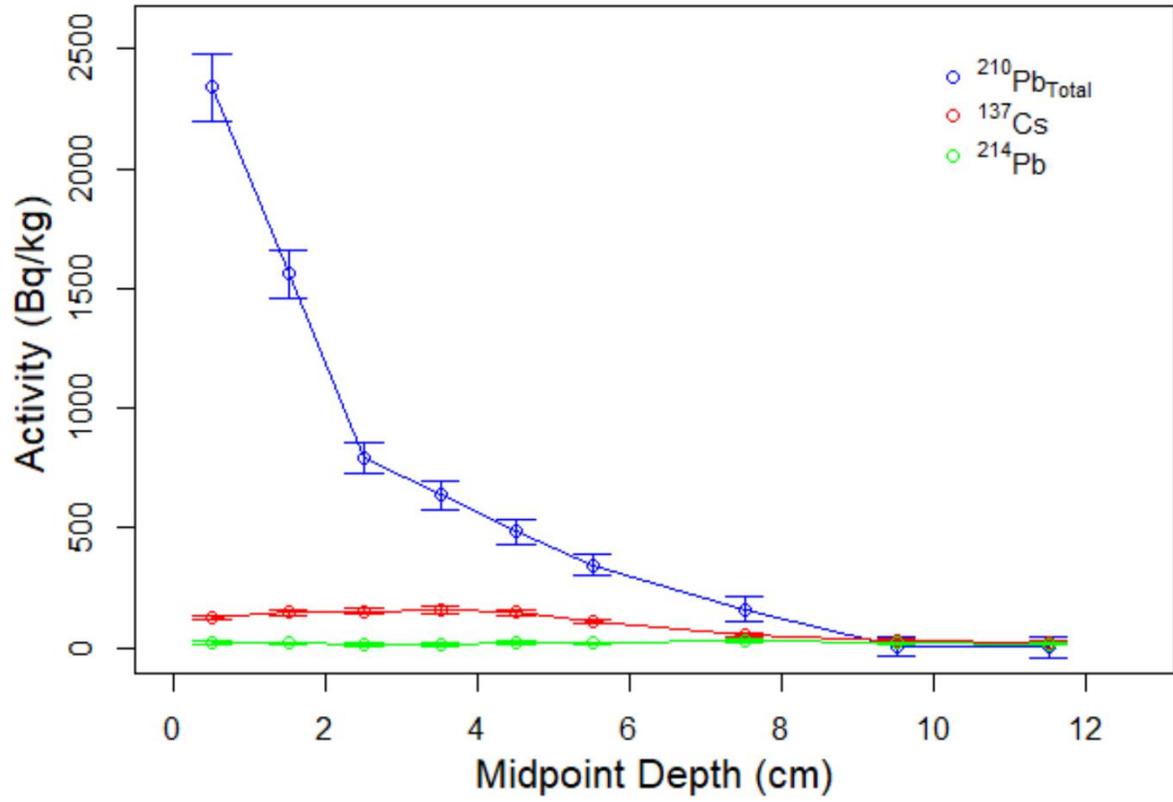
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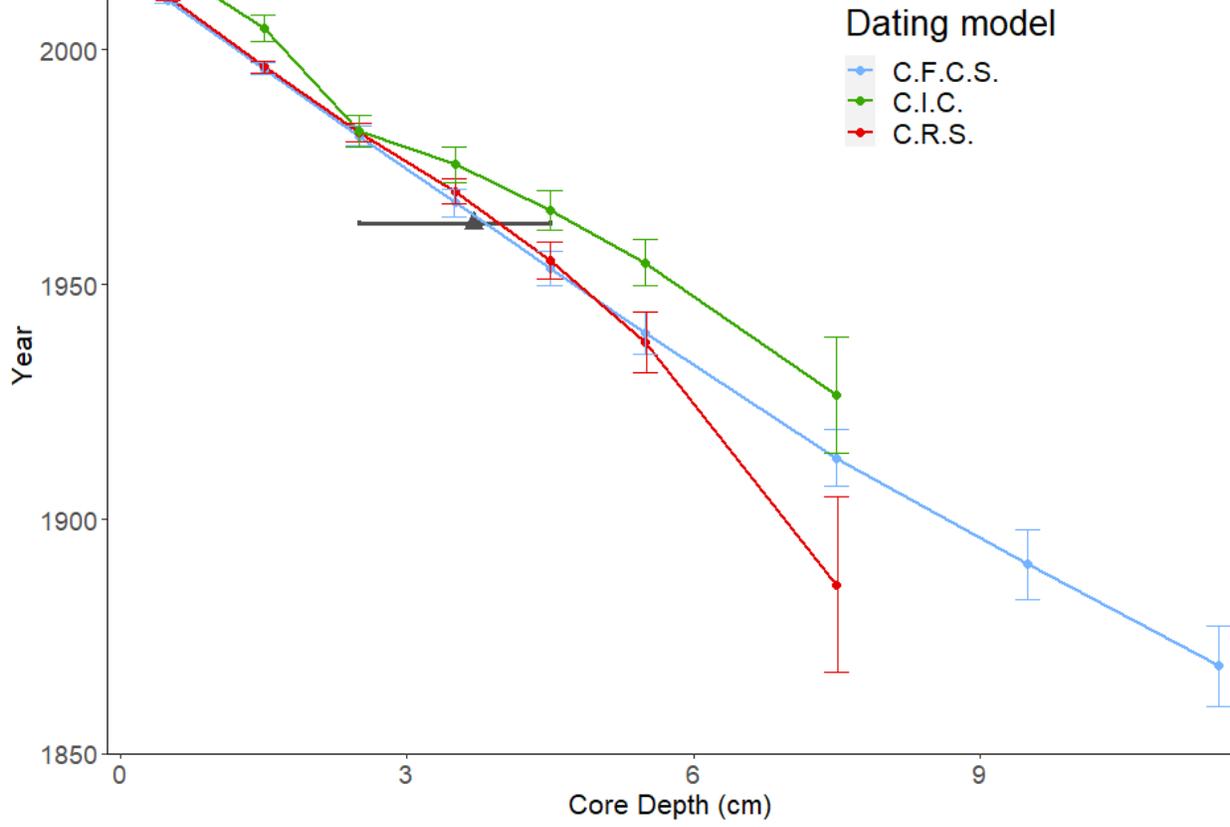
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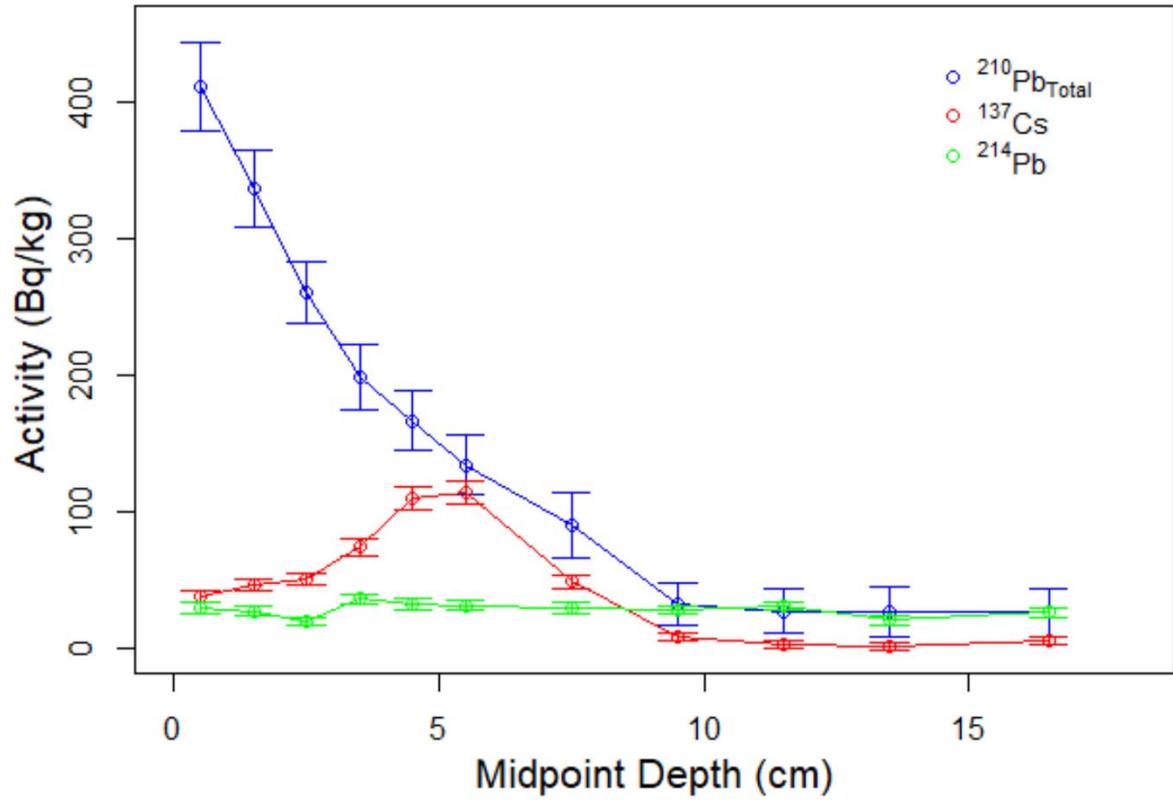
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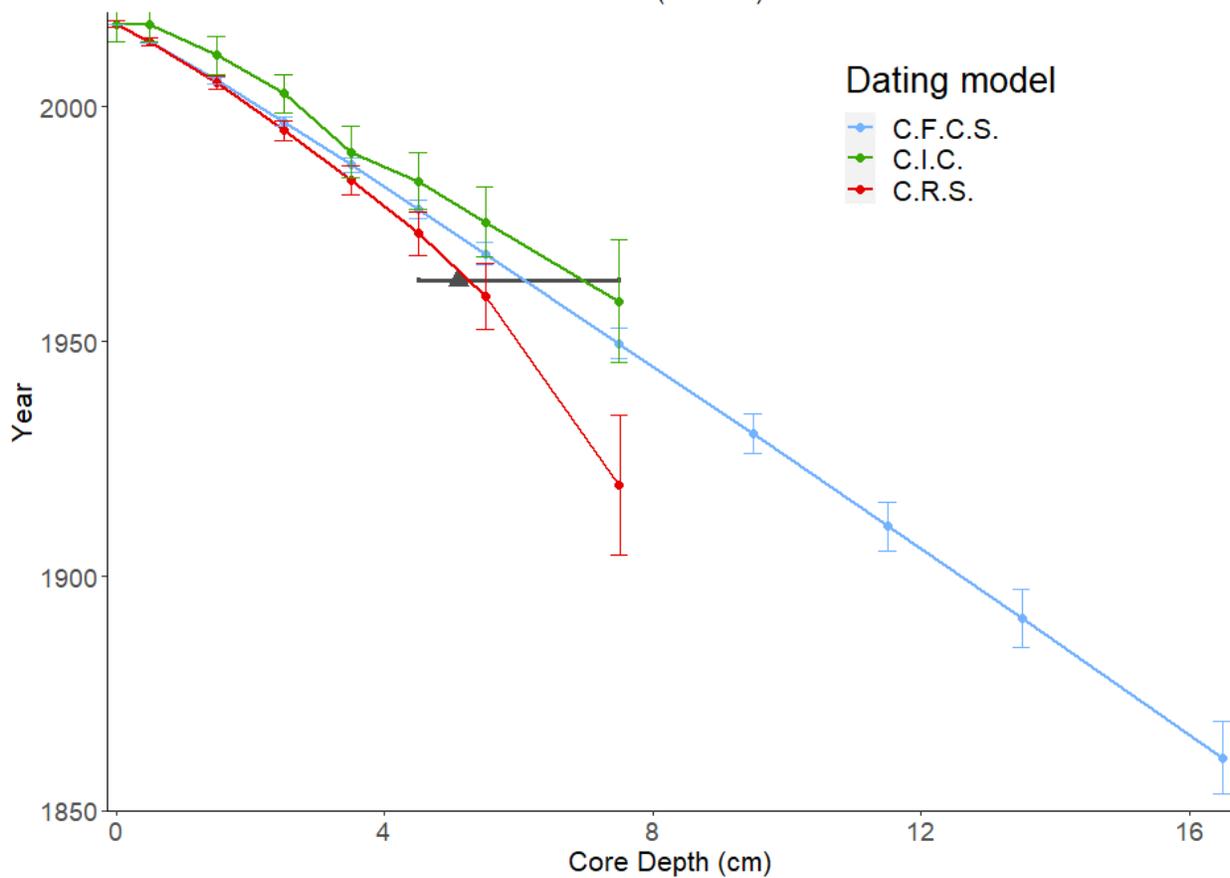
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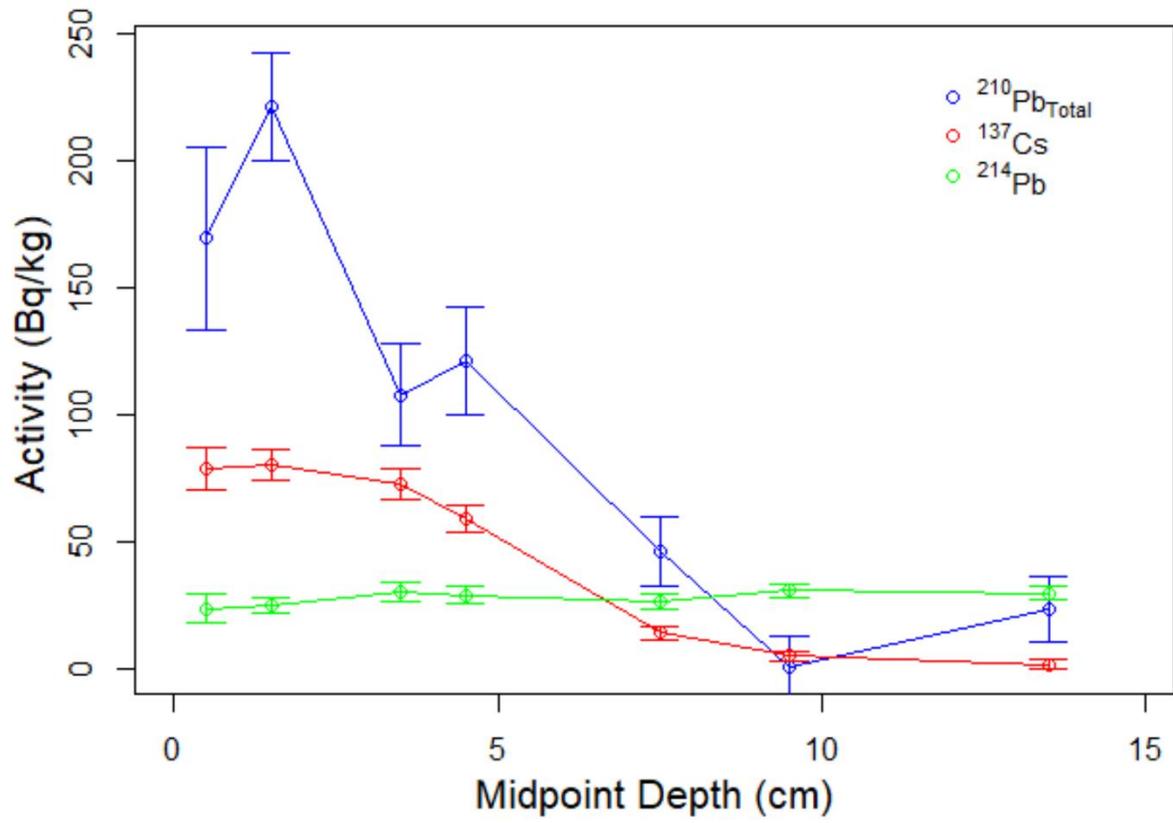
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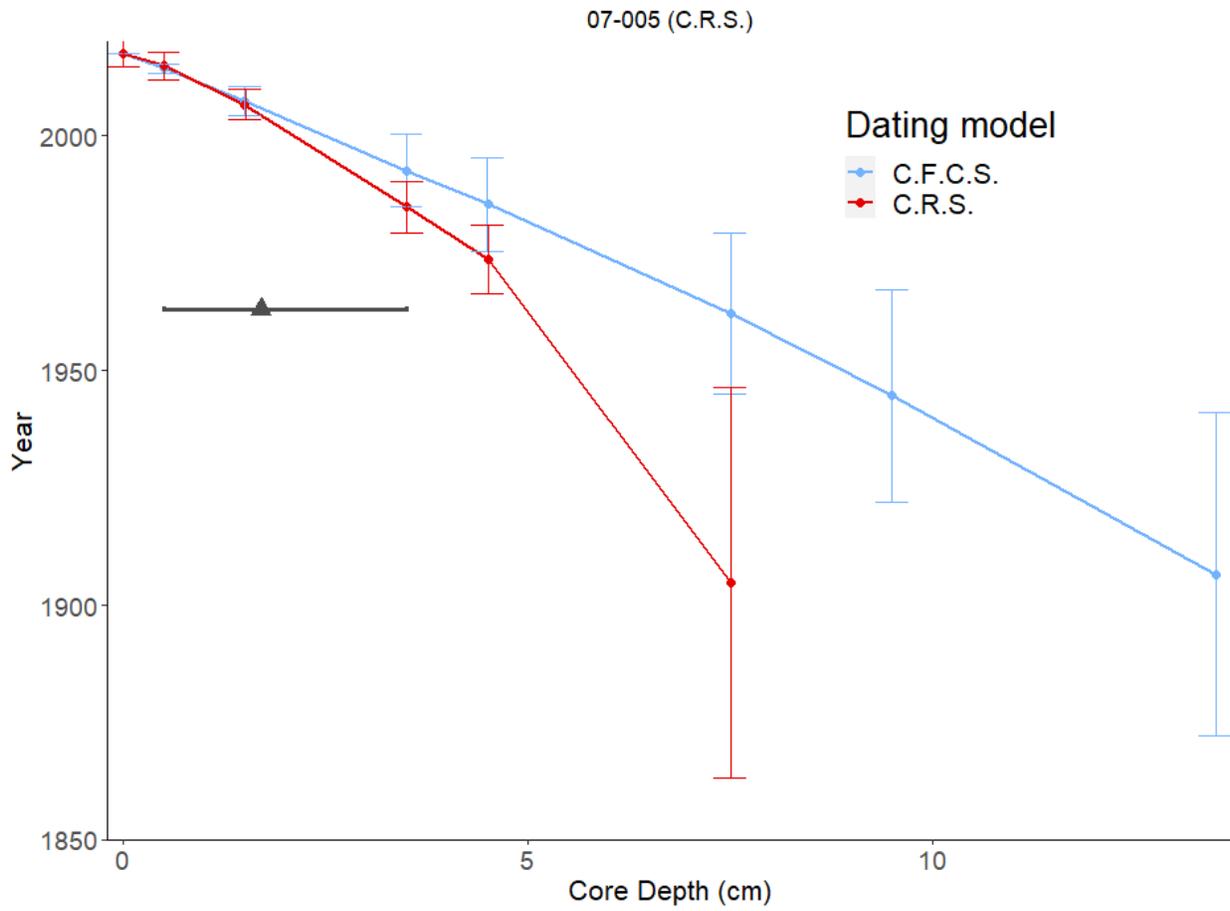


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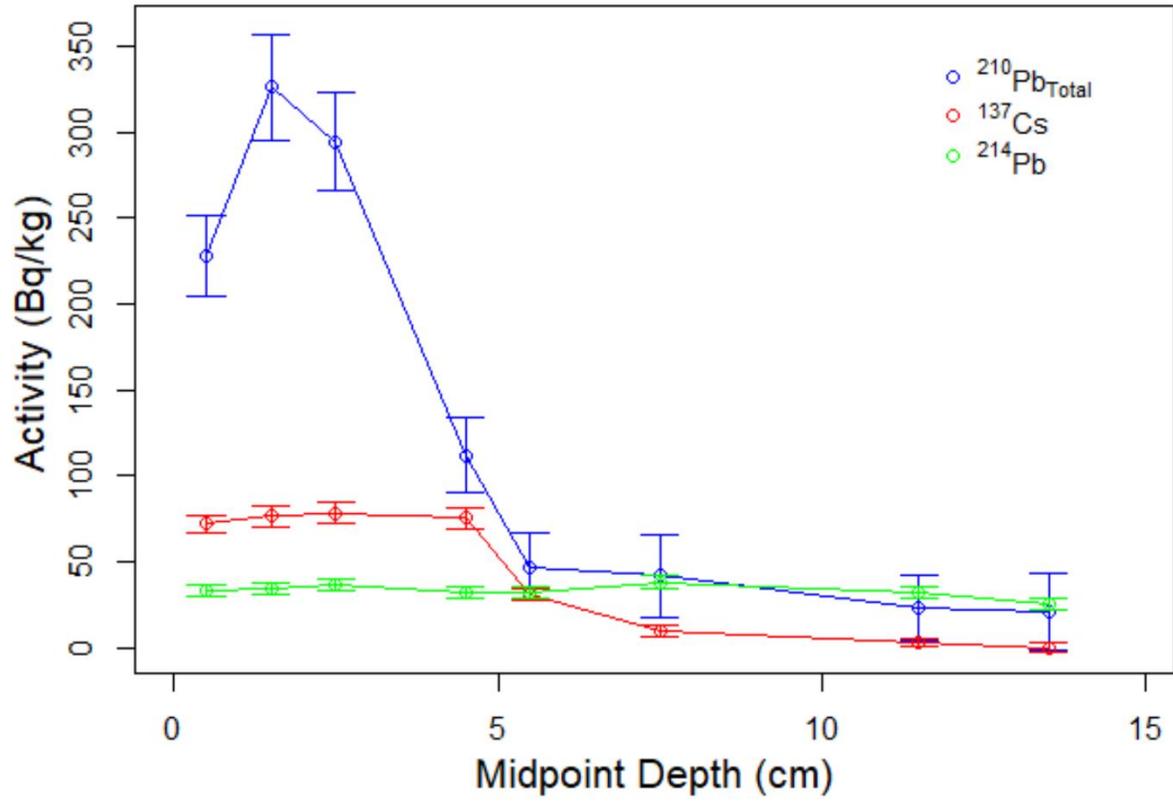


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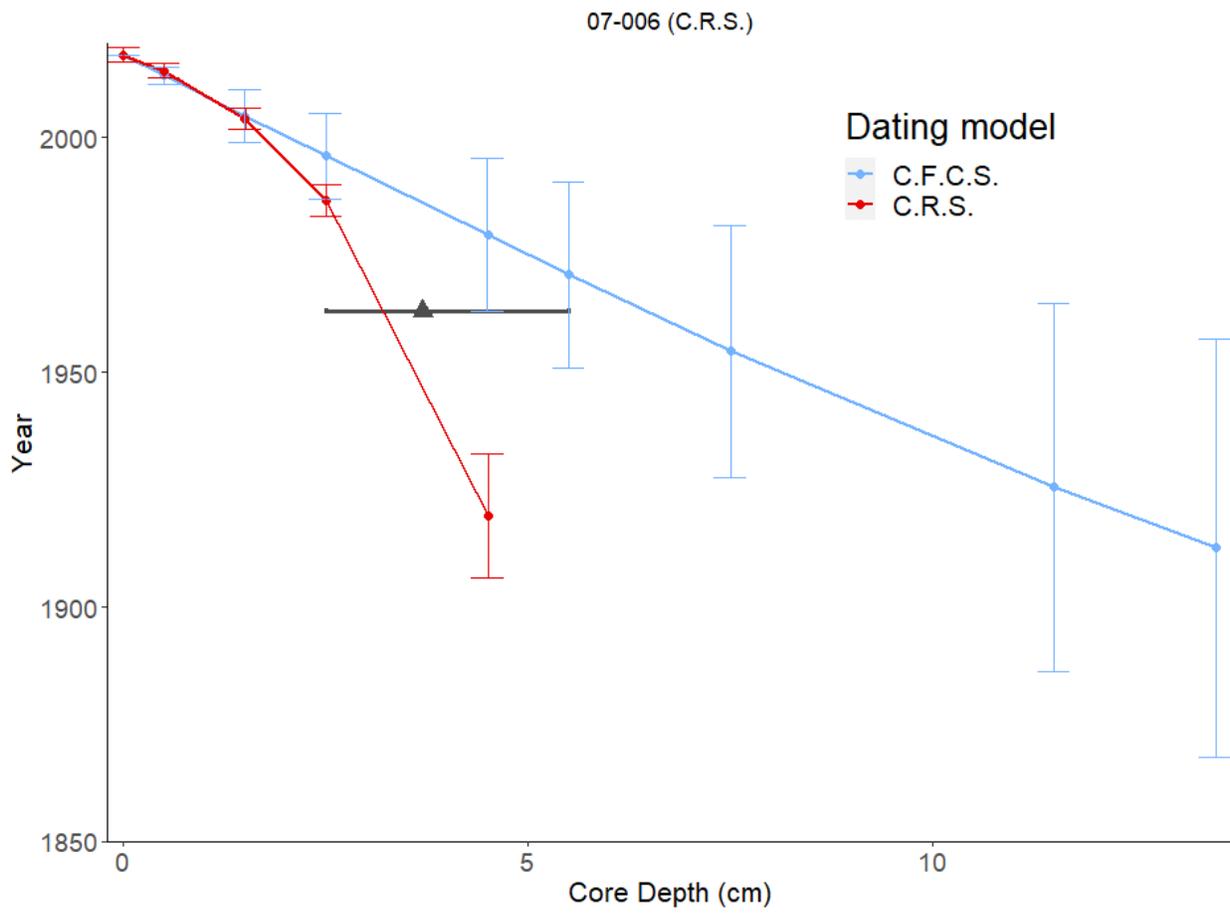




07-006



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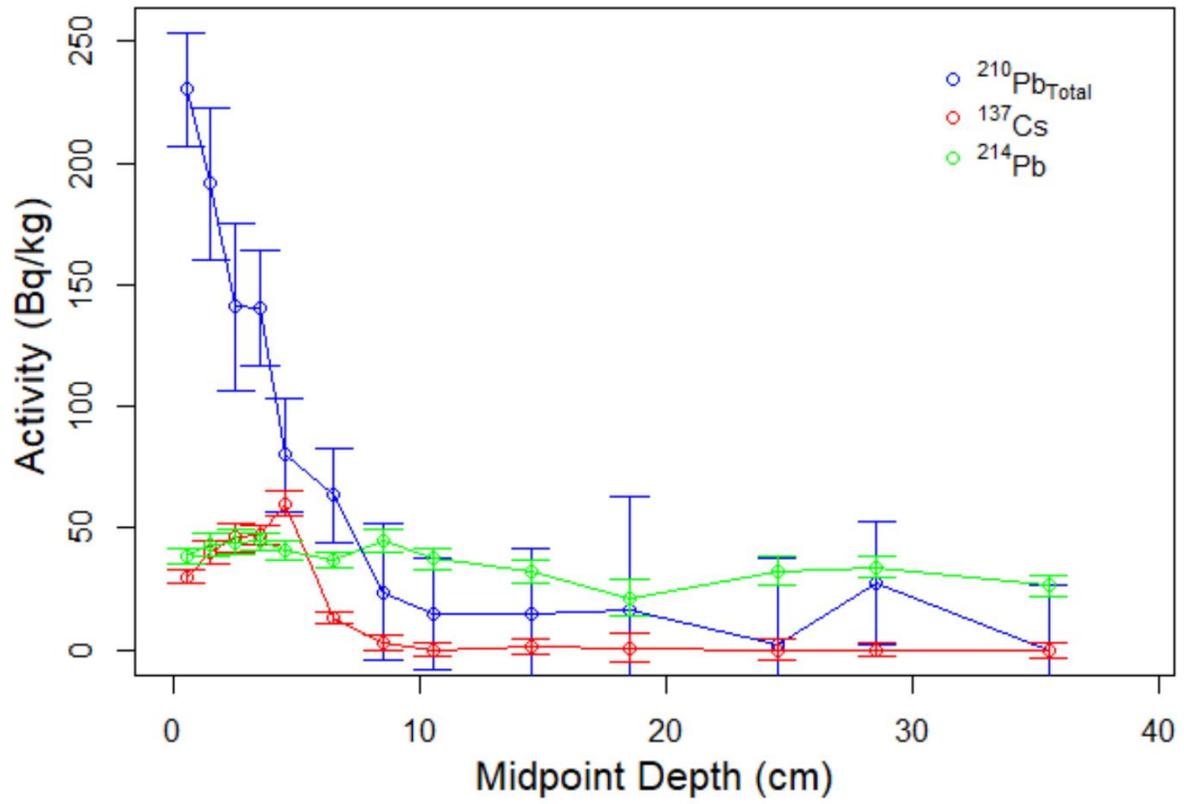


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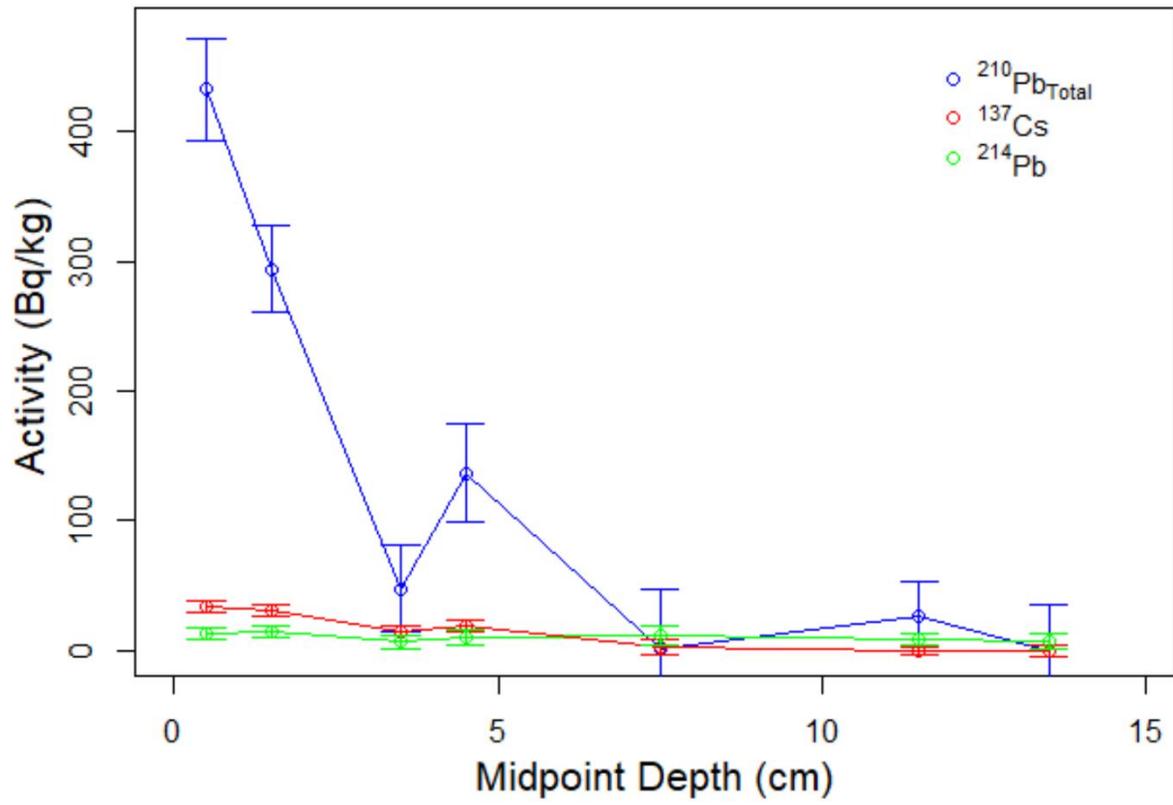
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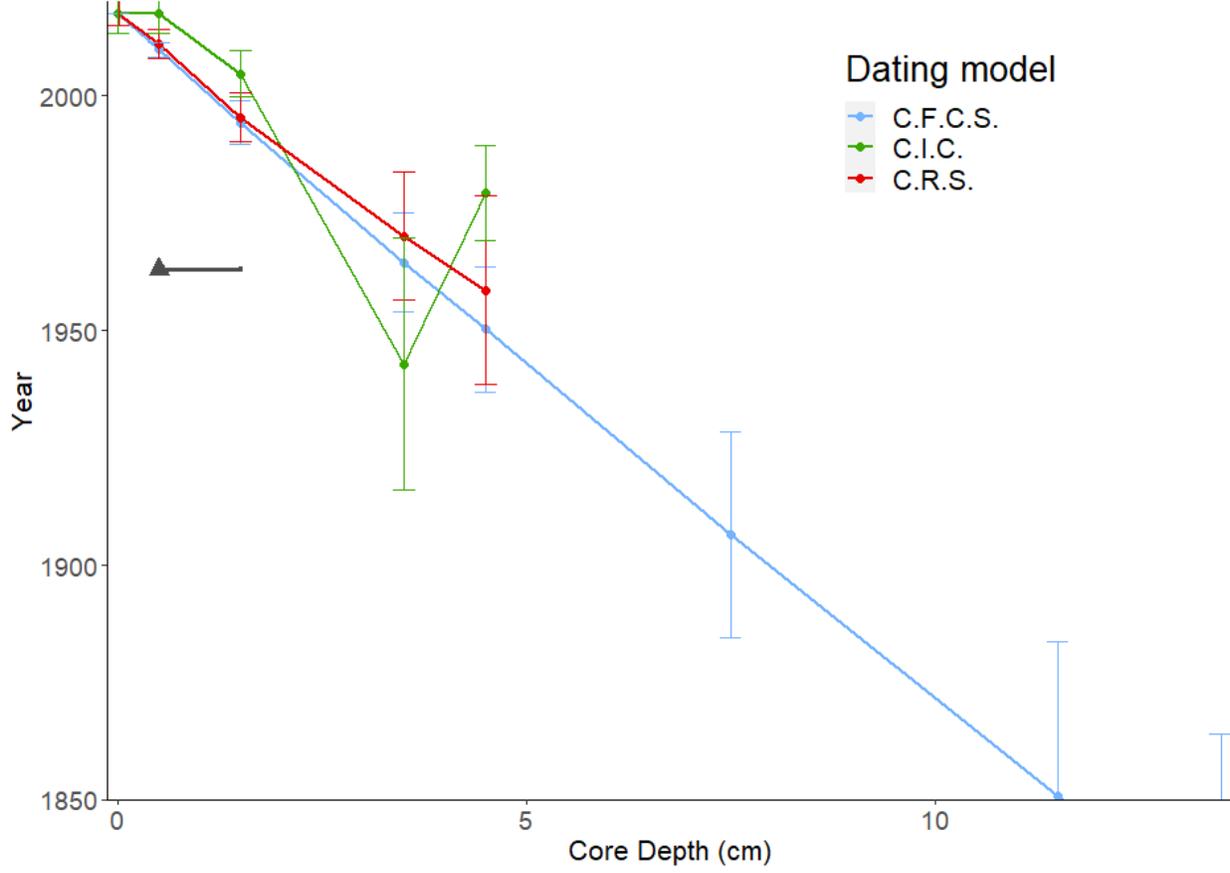
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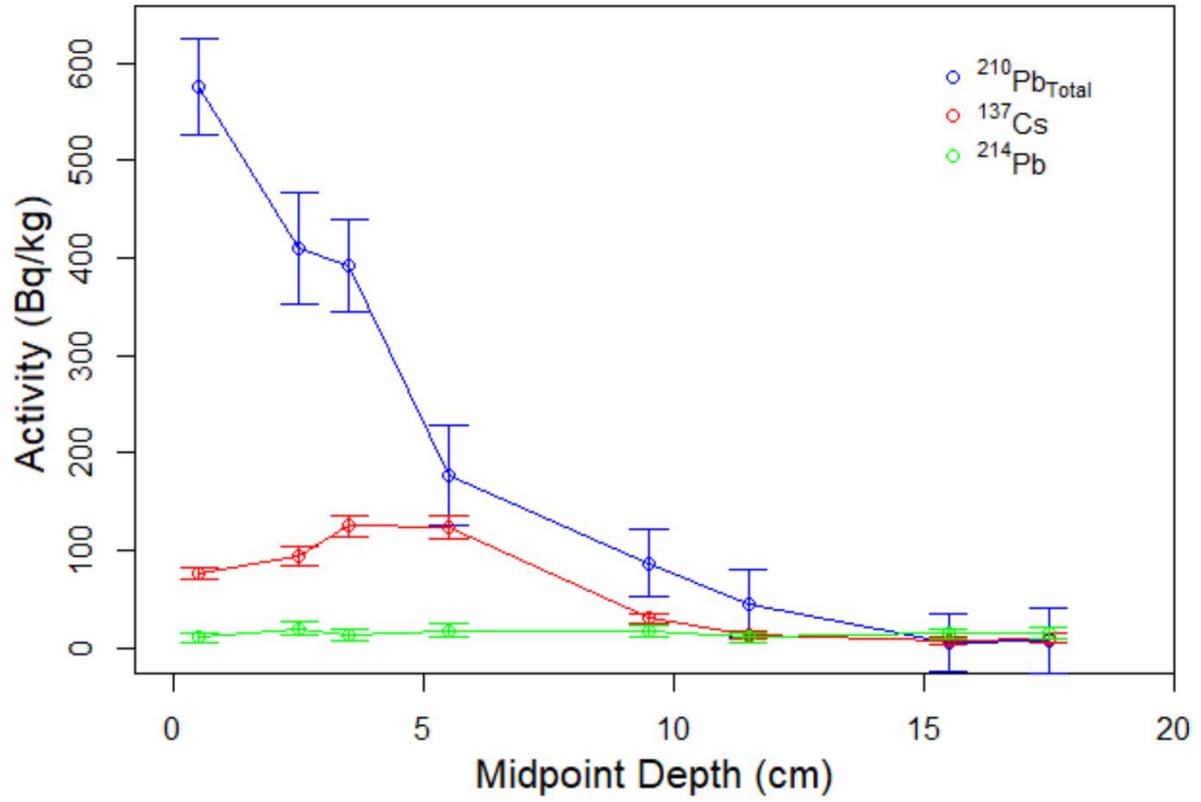
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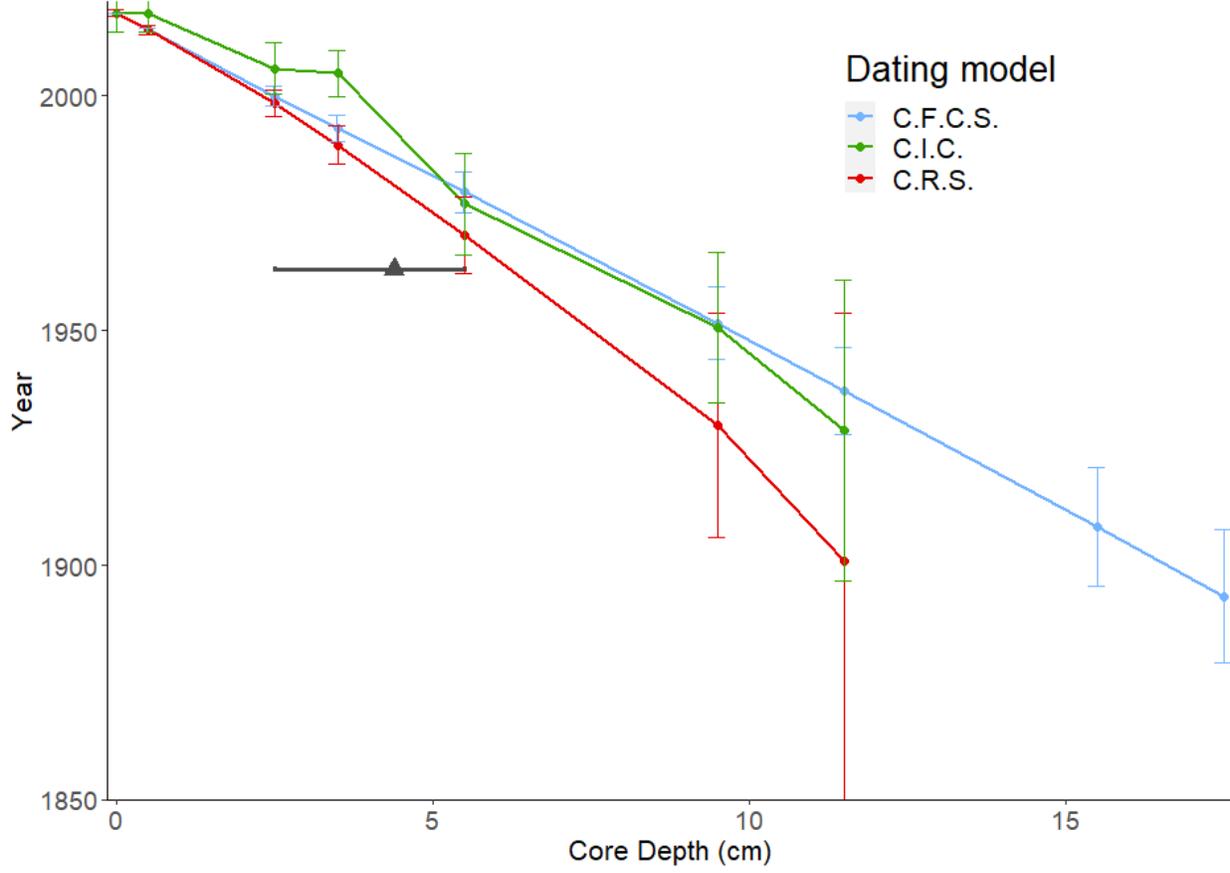
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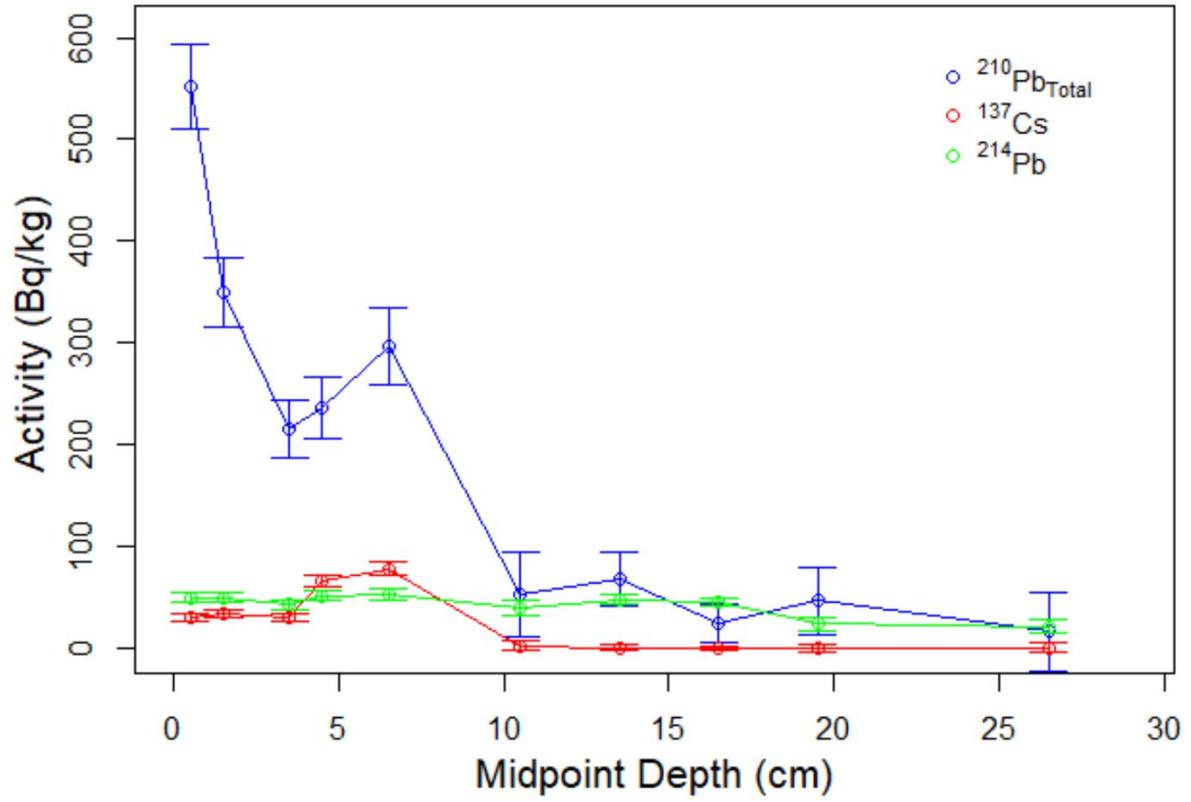
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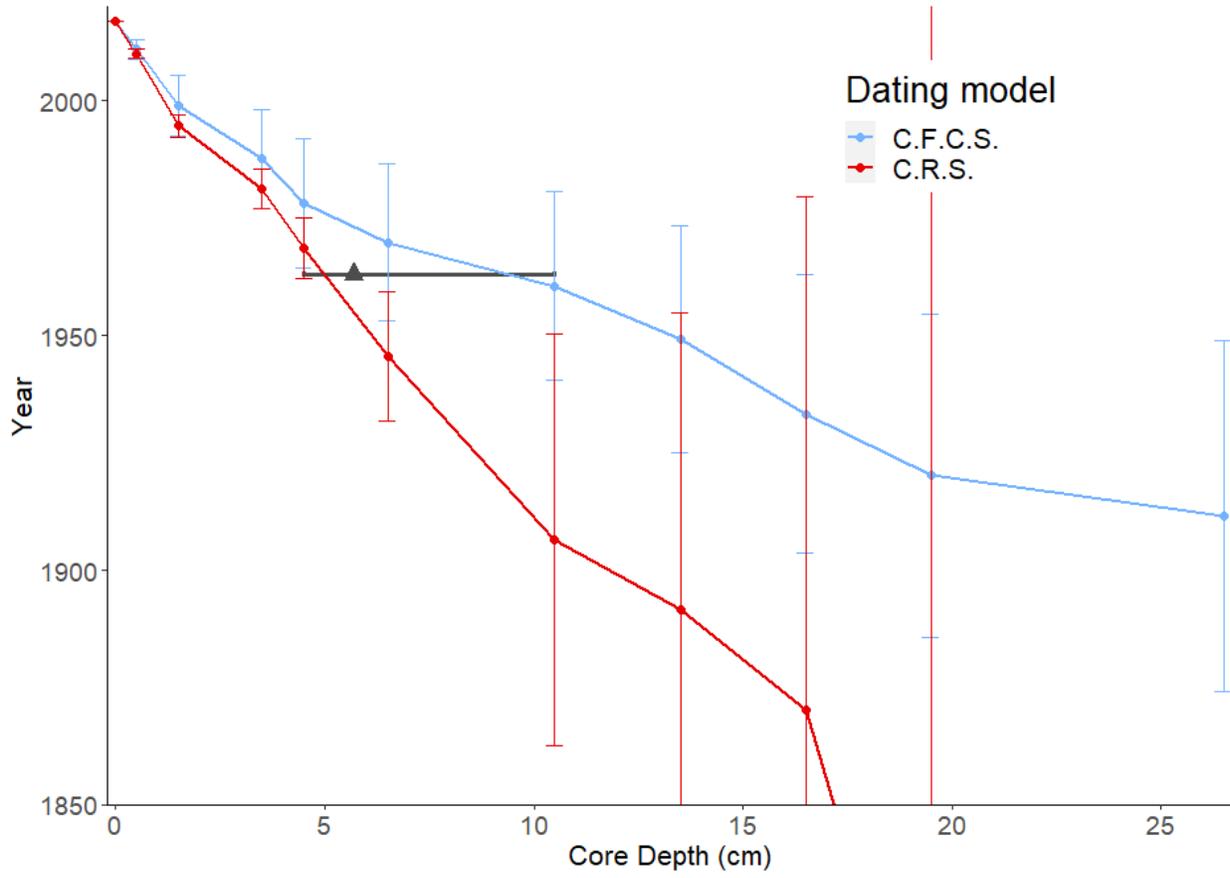
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07-029



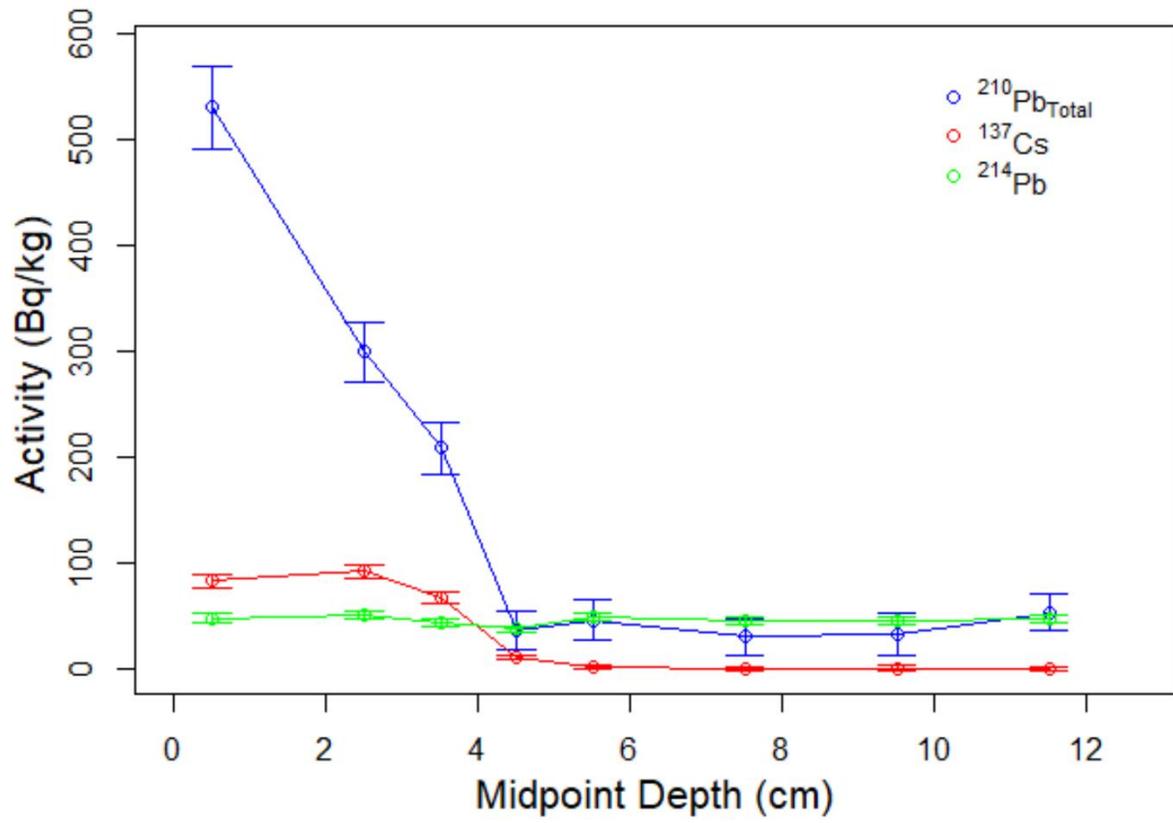
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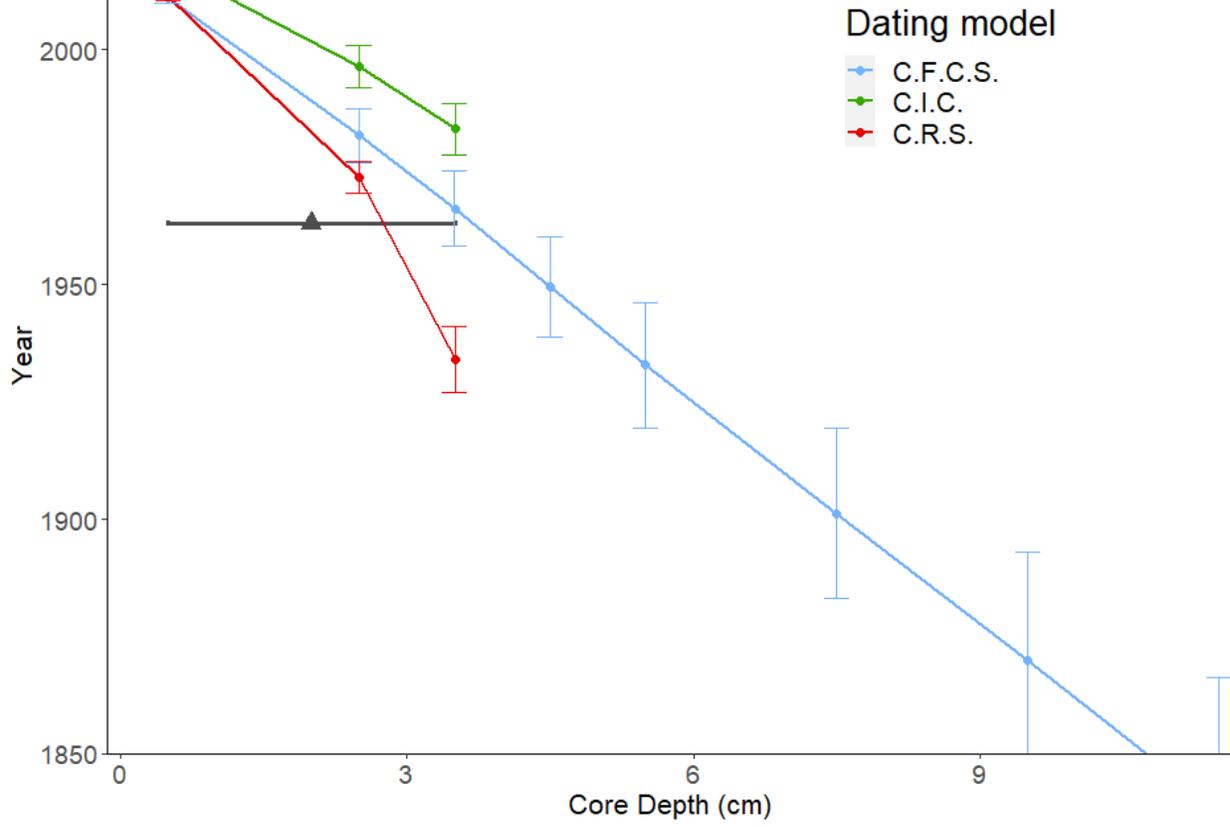
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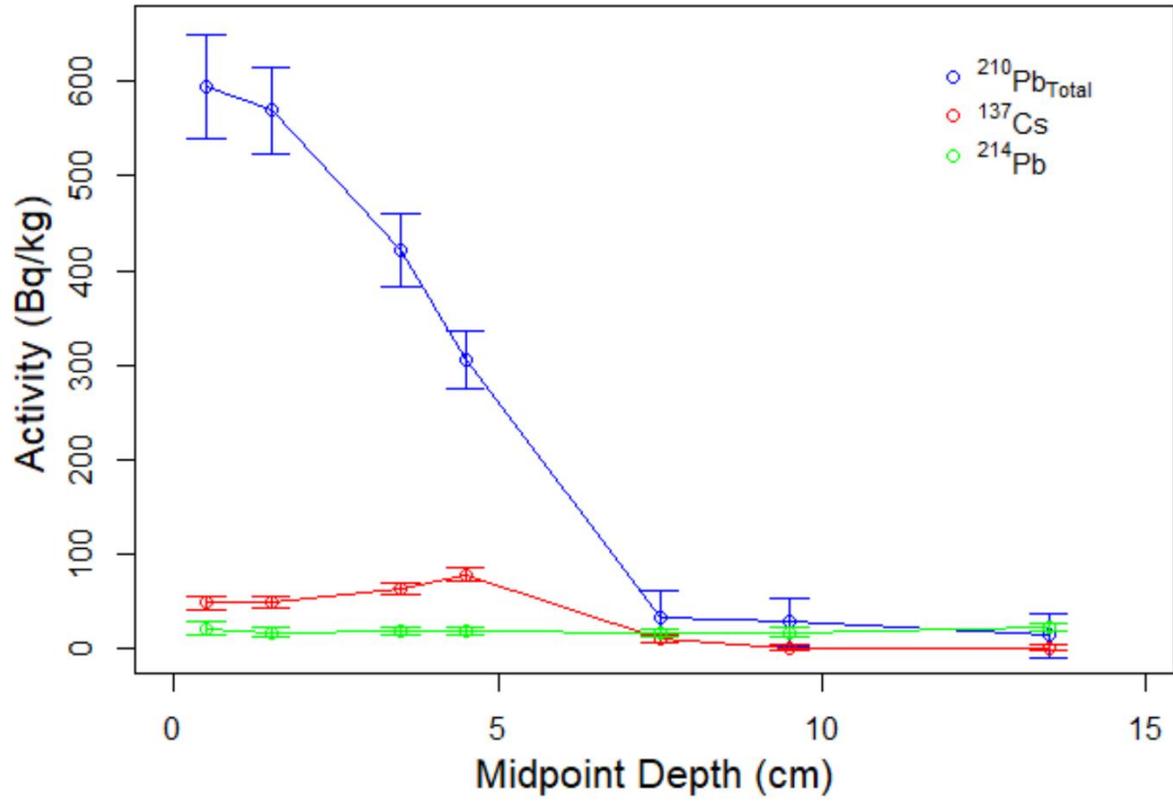
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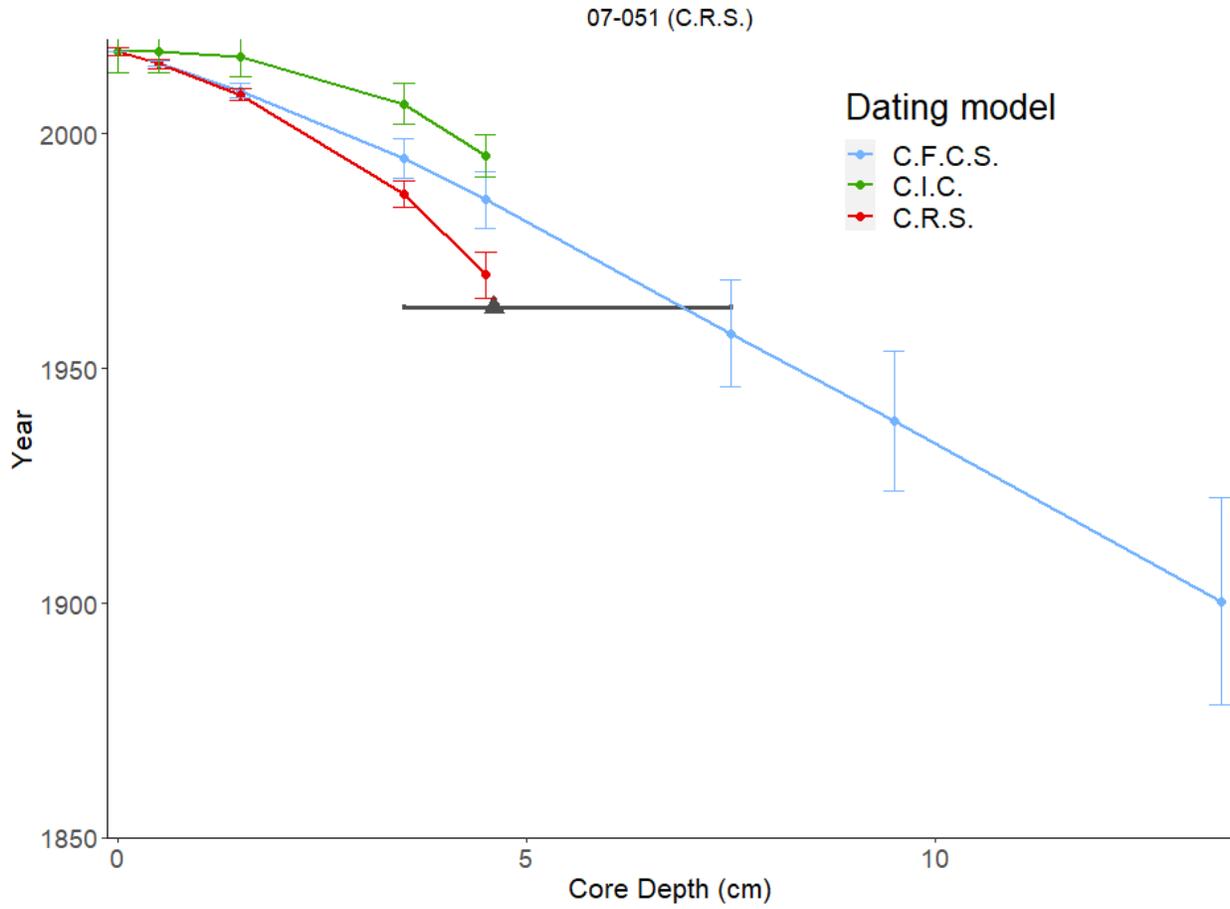


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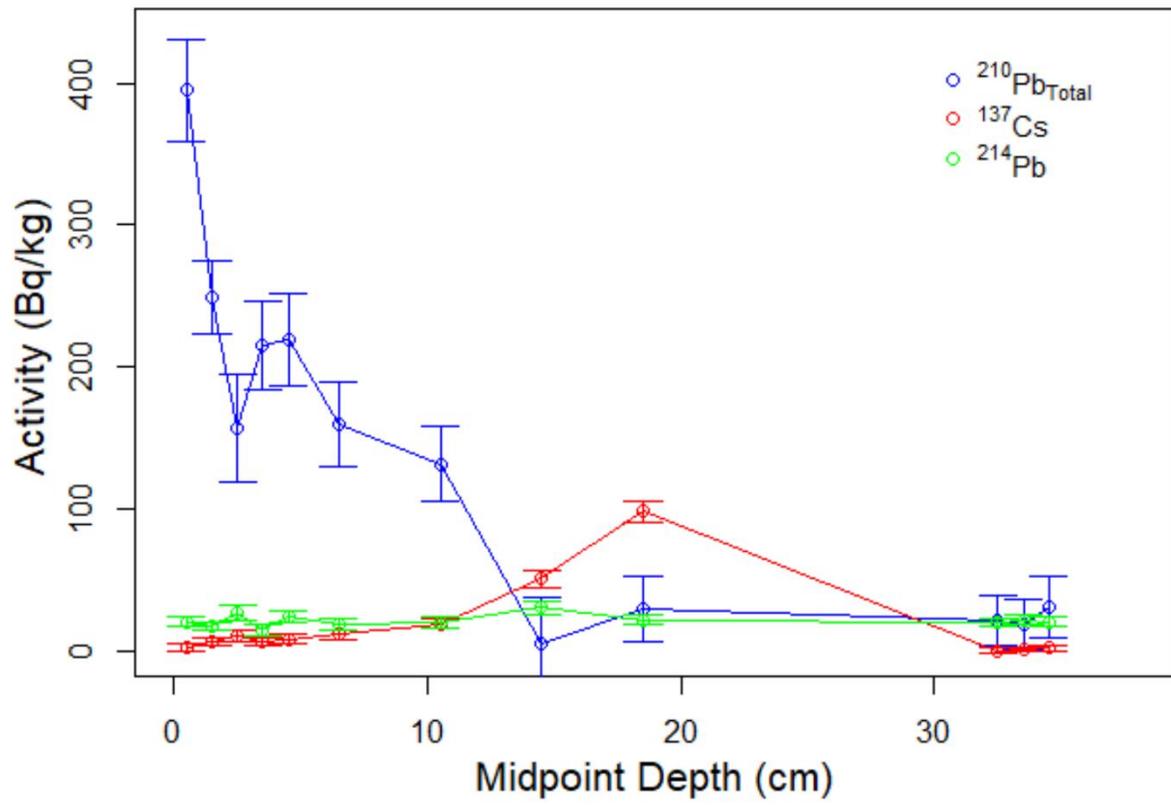


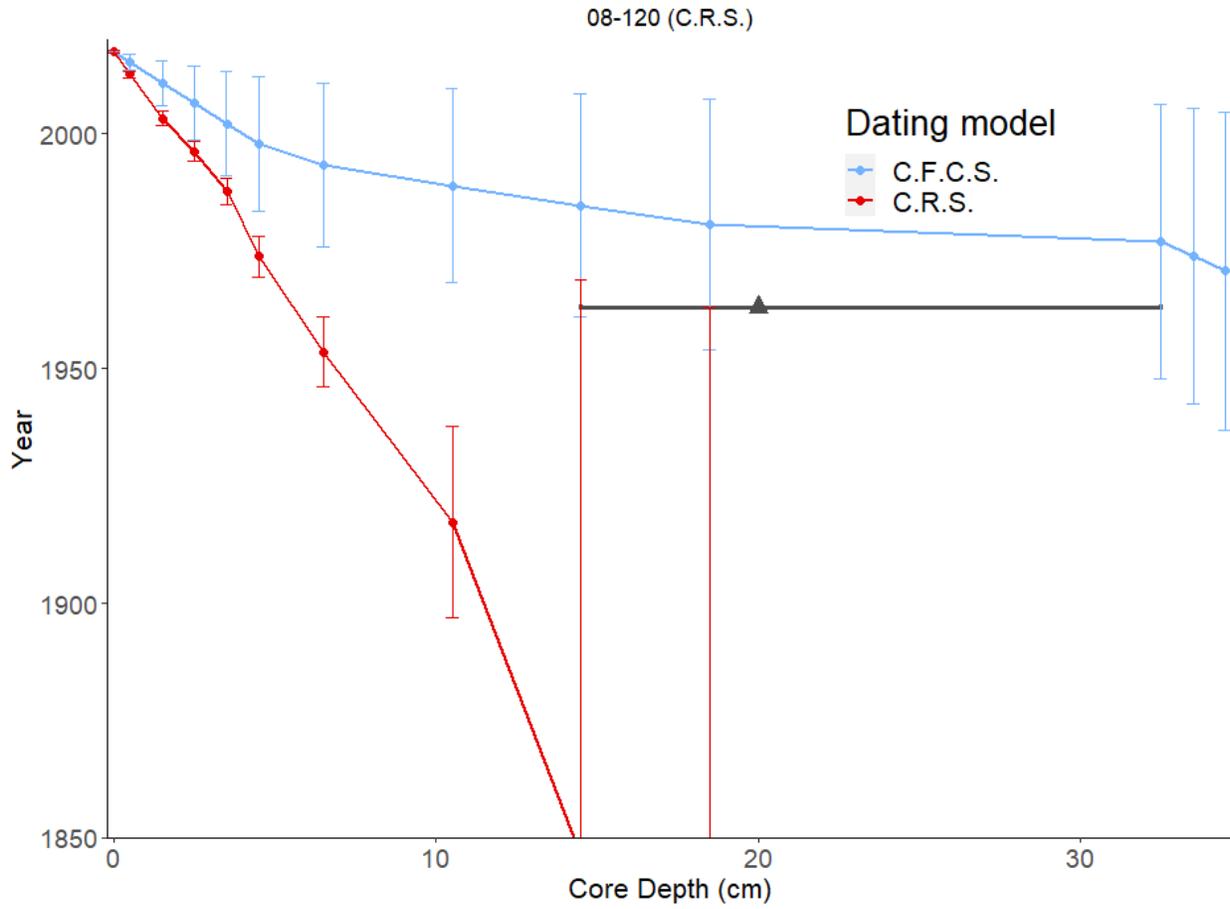
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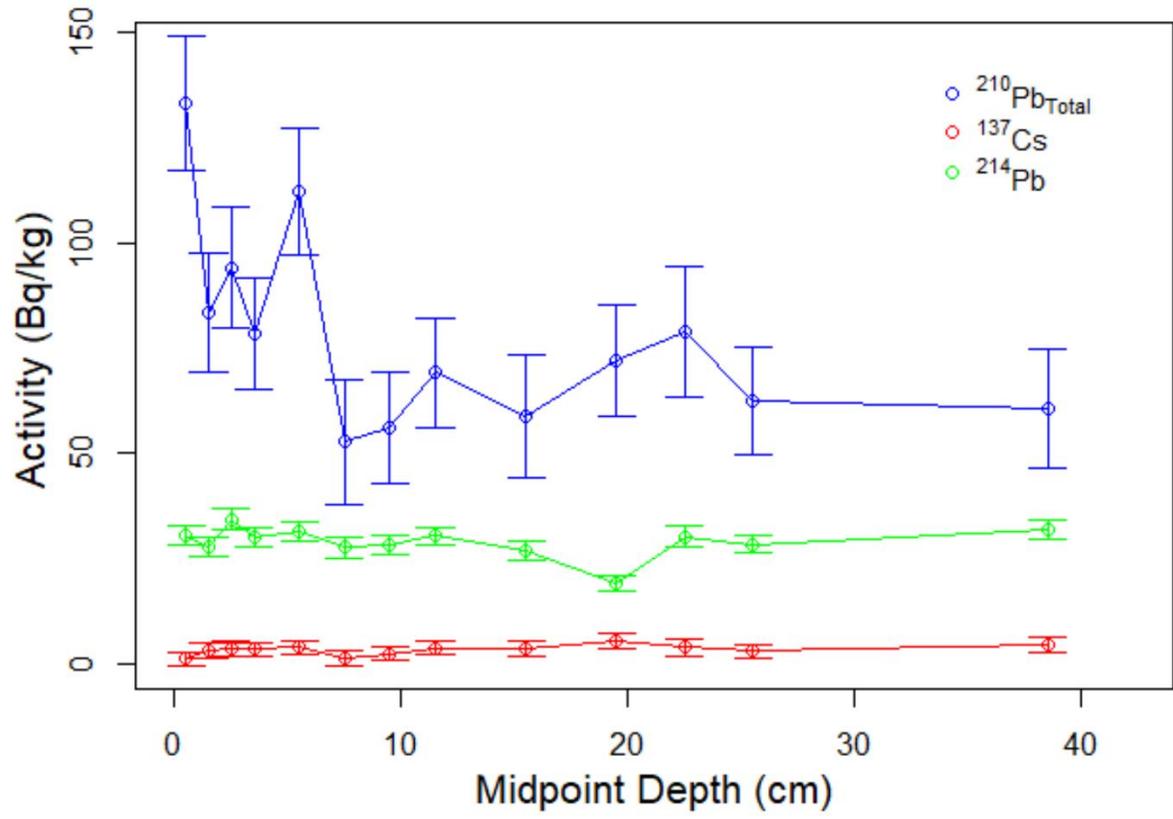


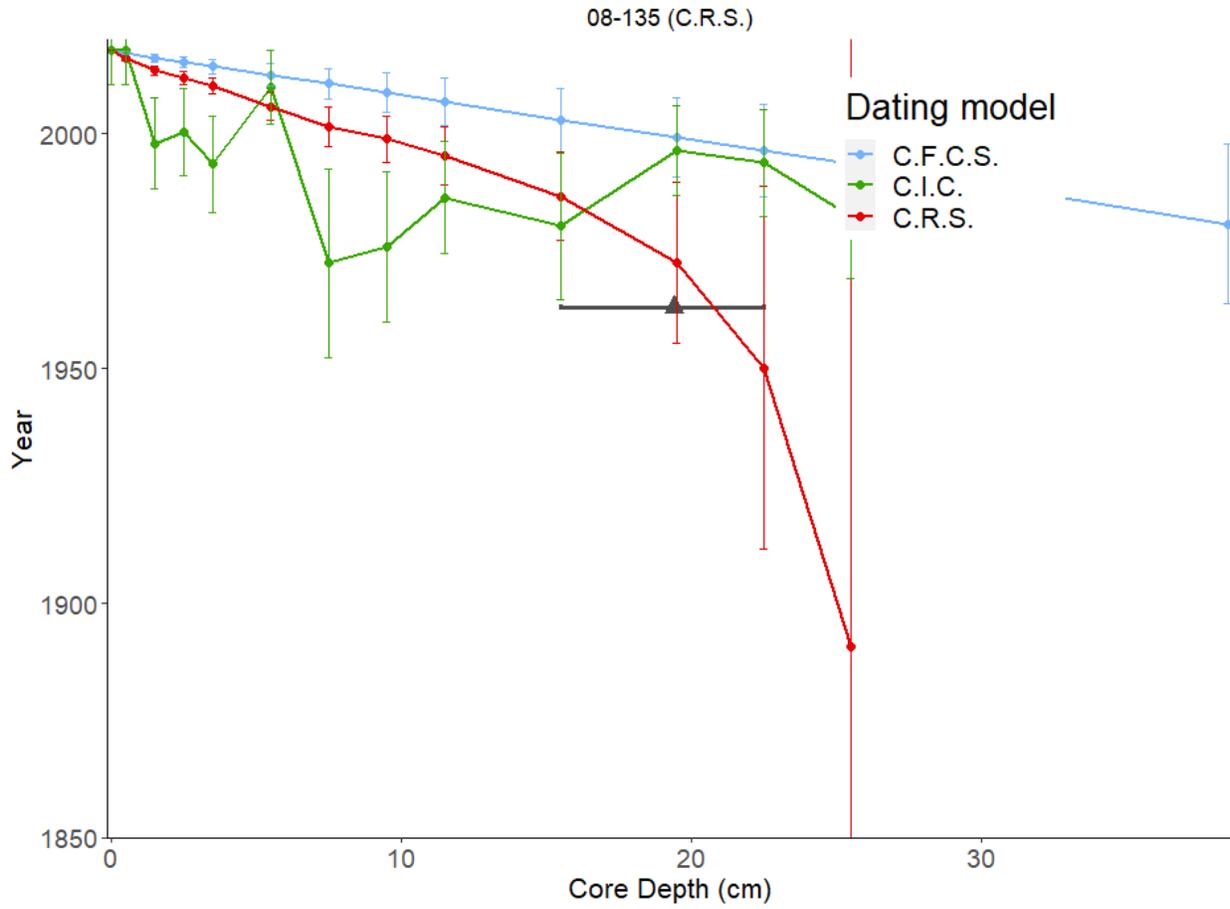
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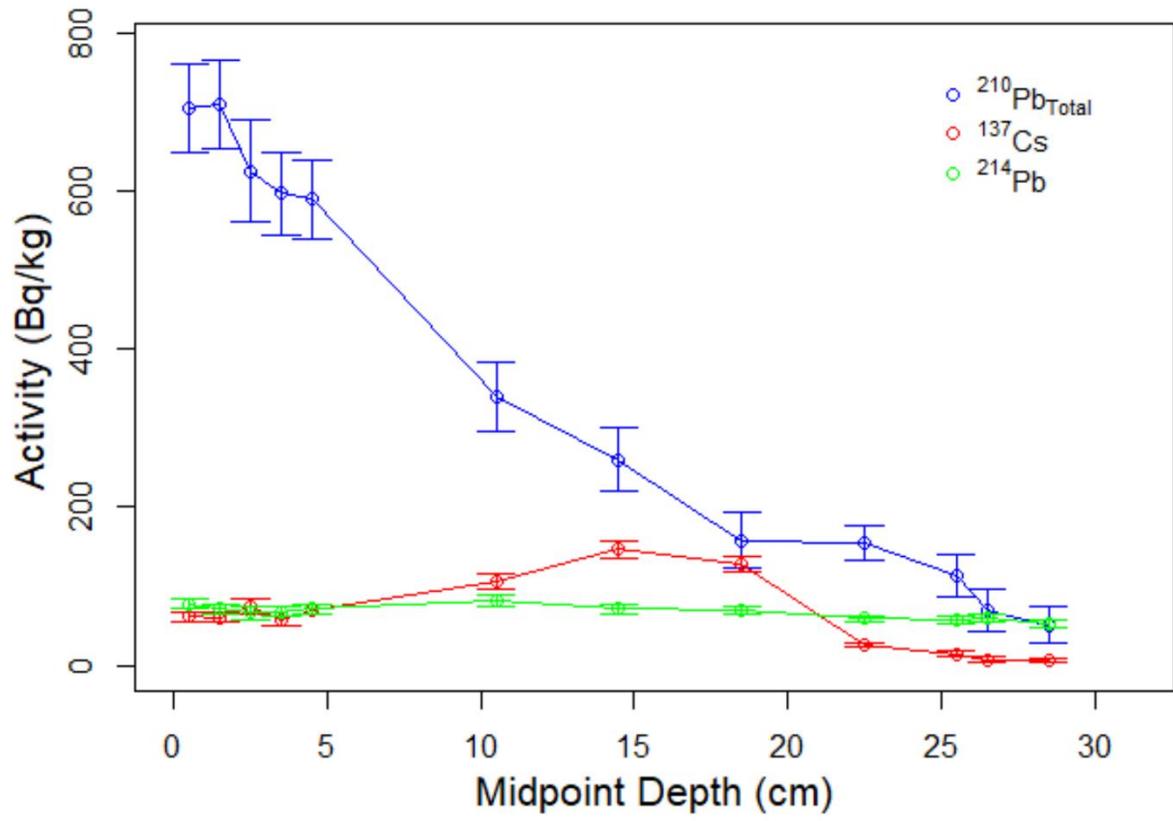


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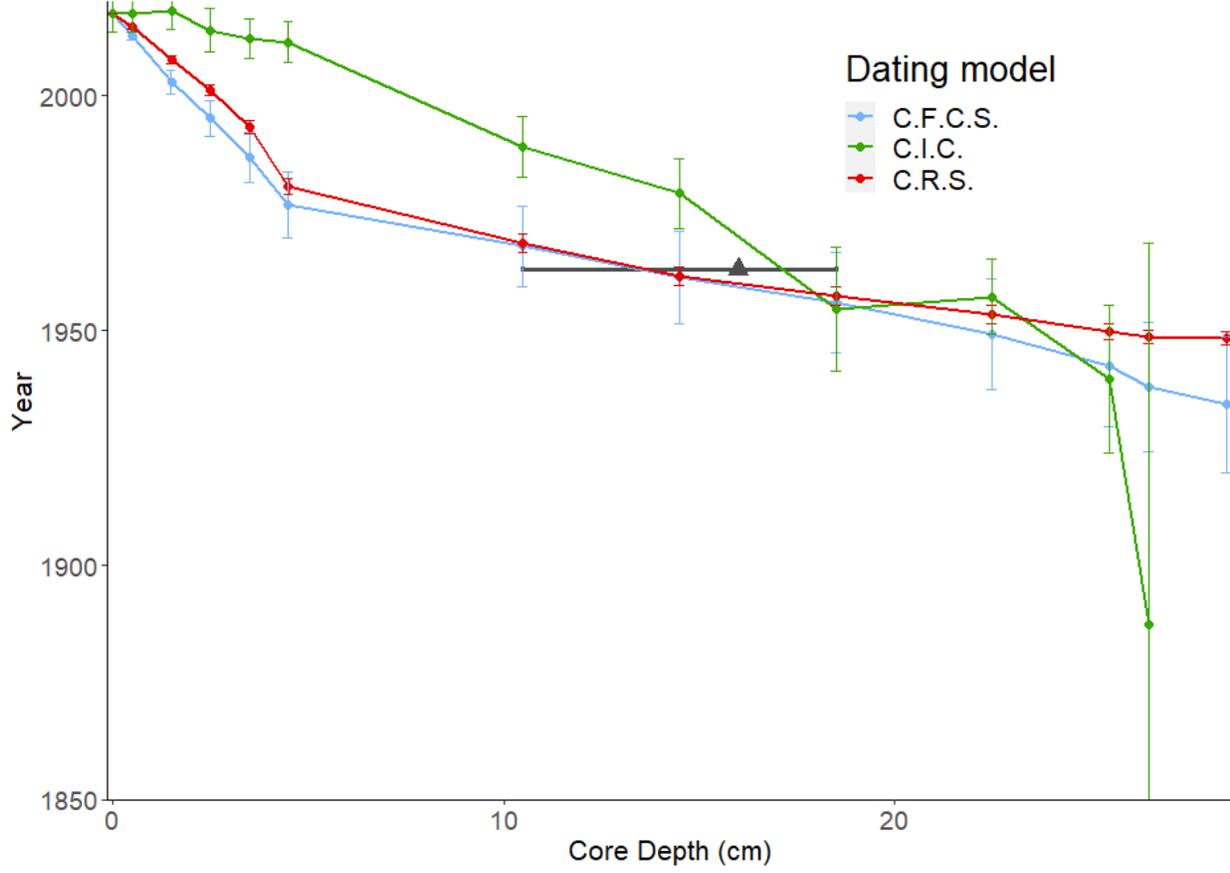


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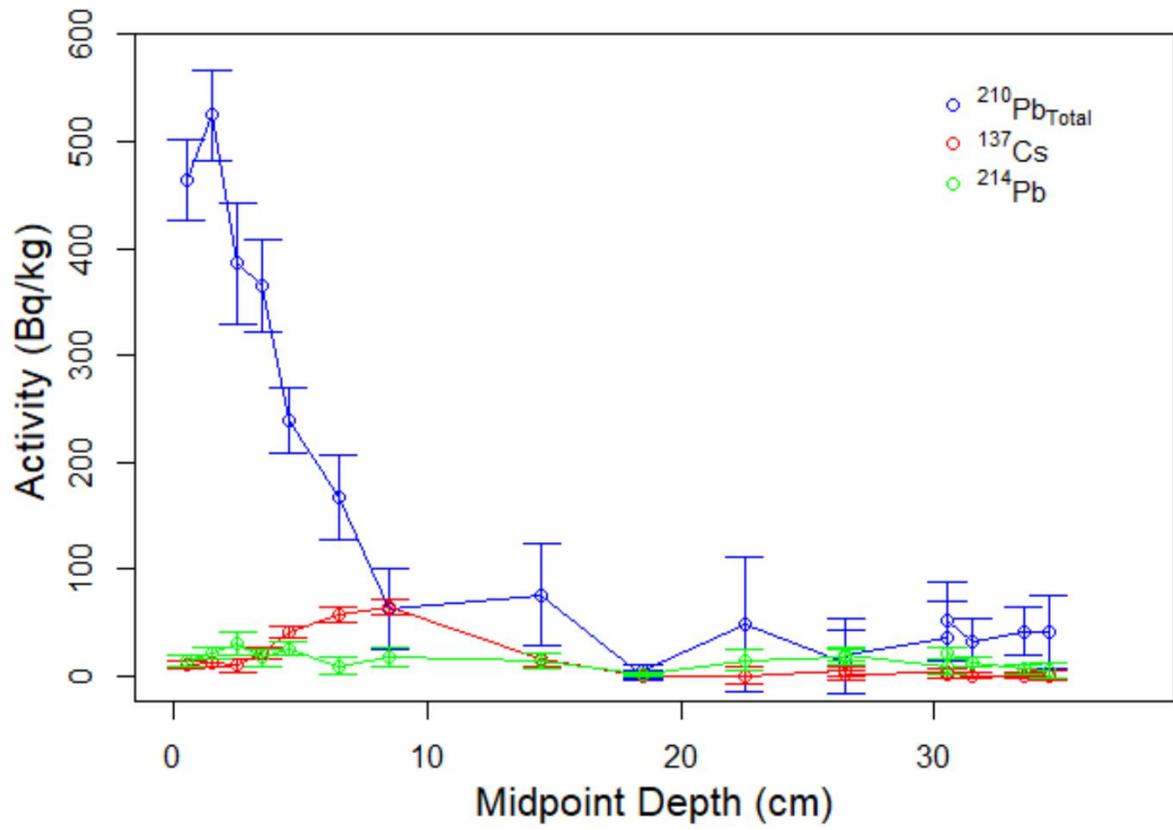


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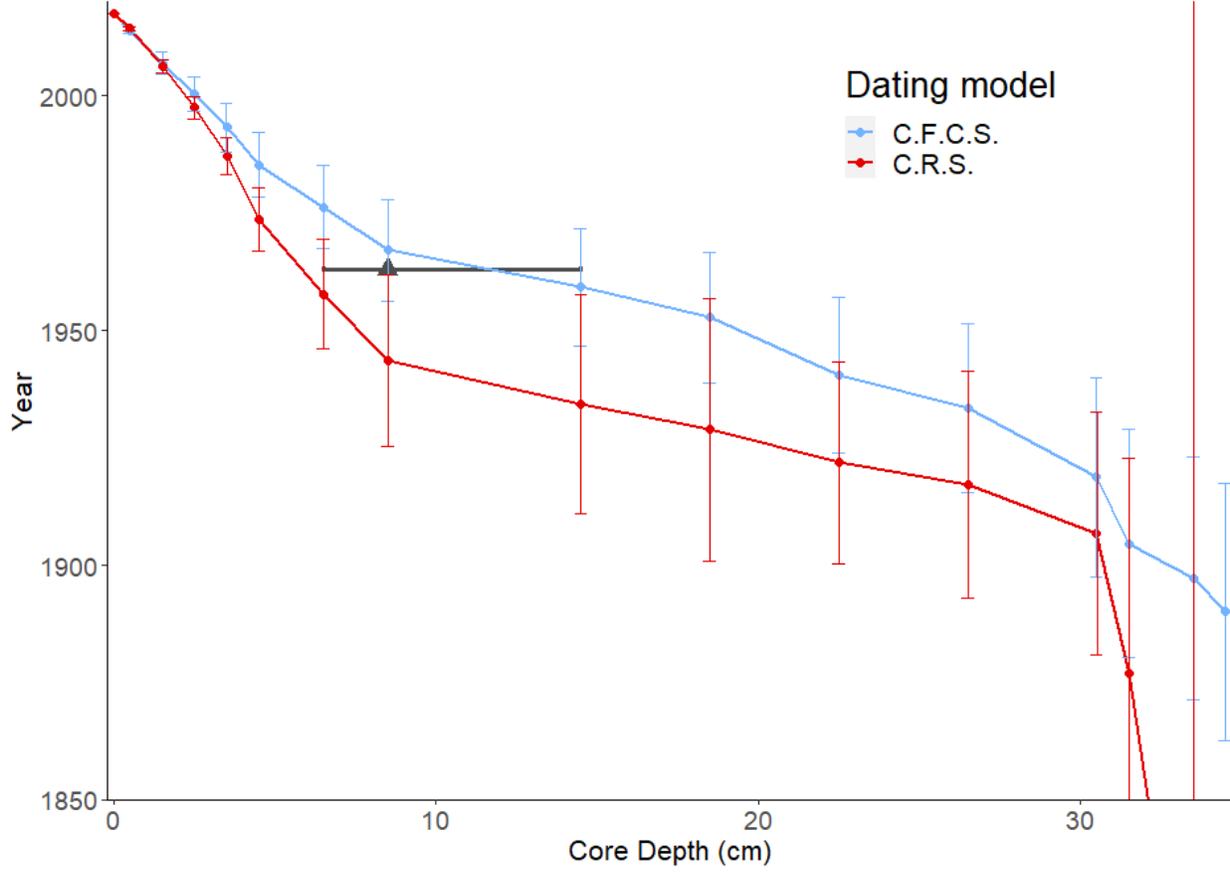
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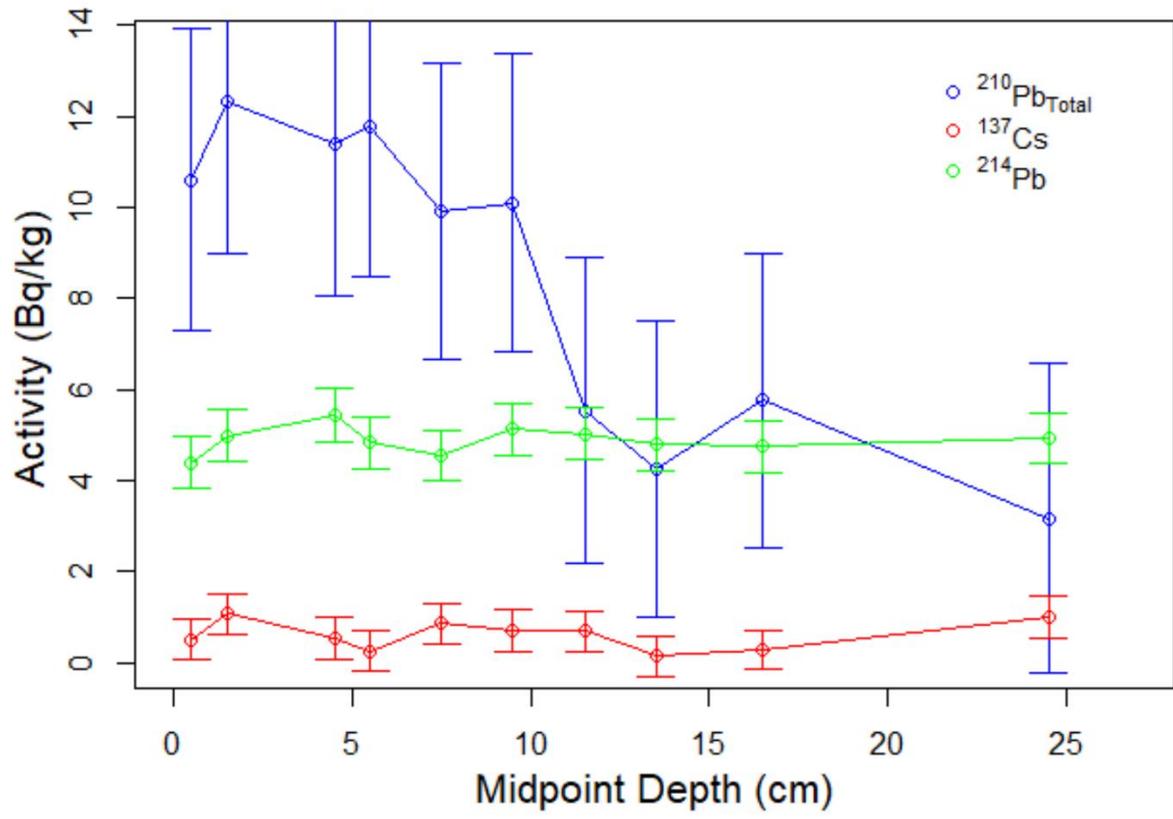
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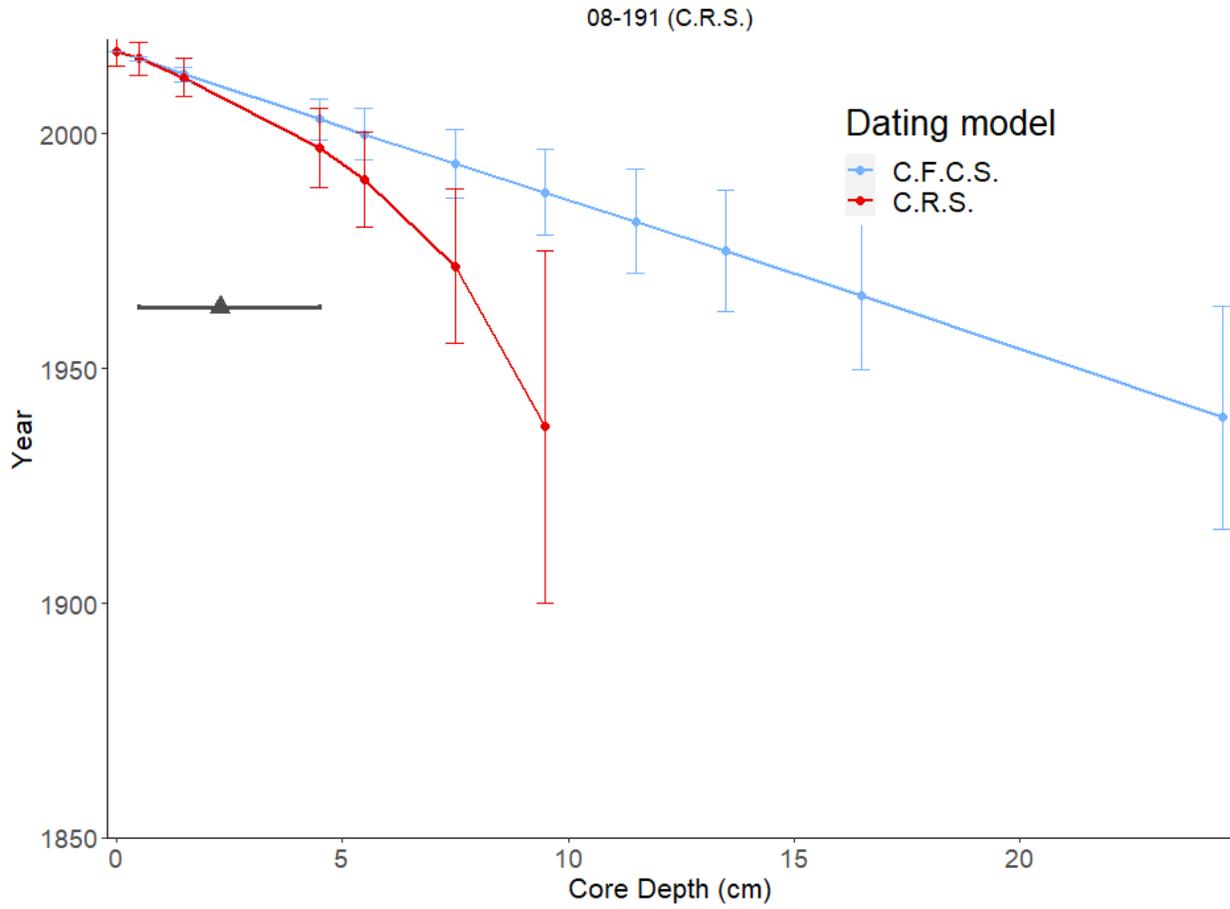


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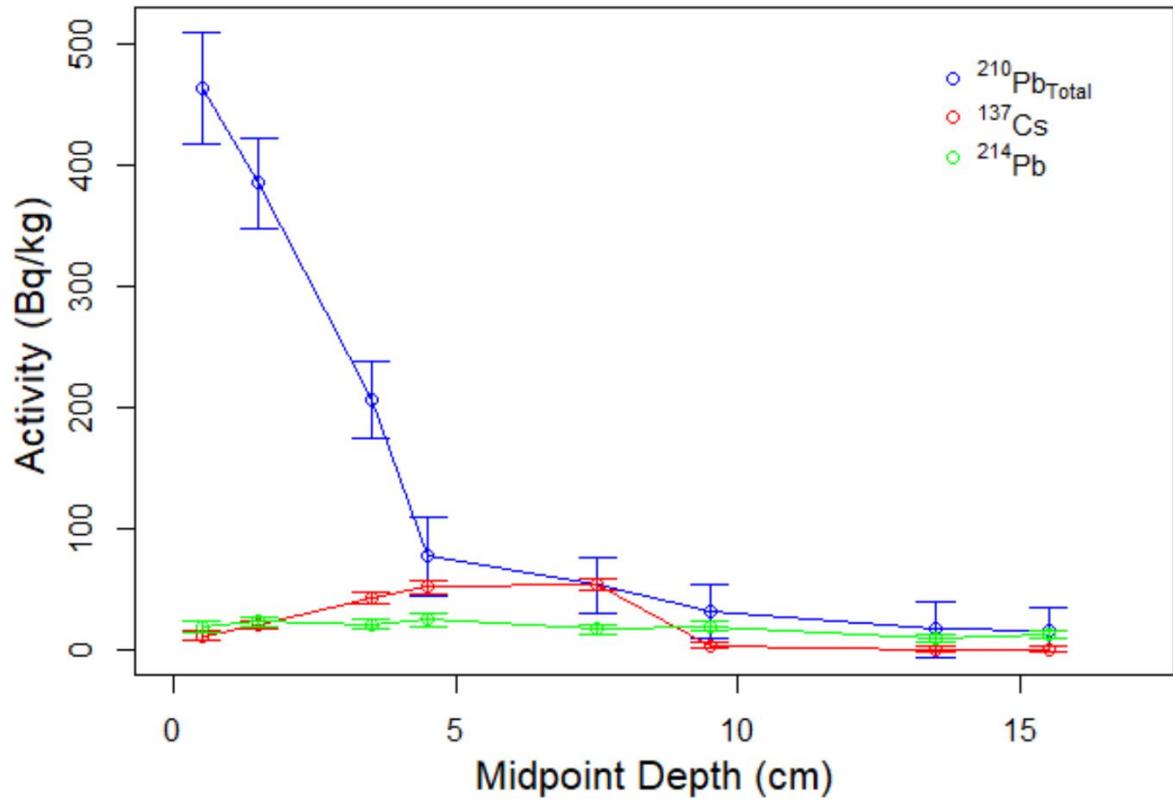


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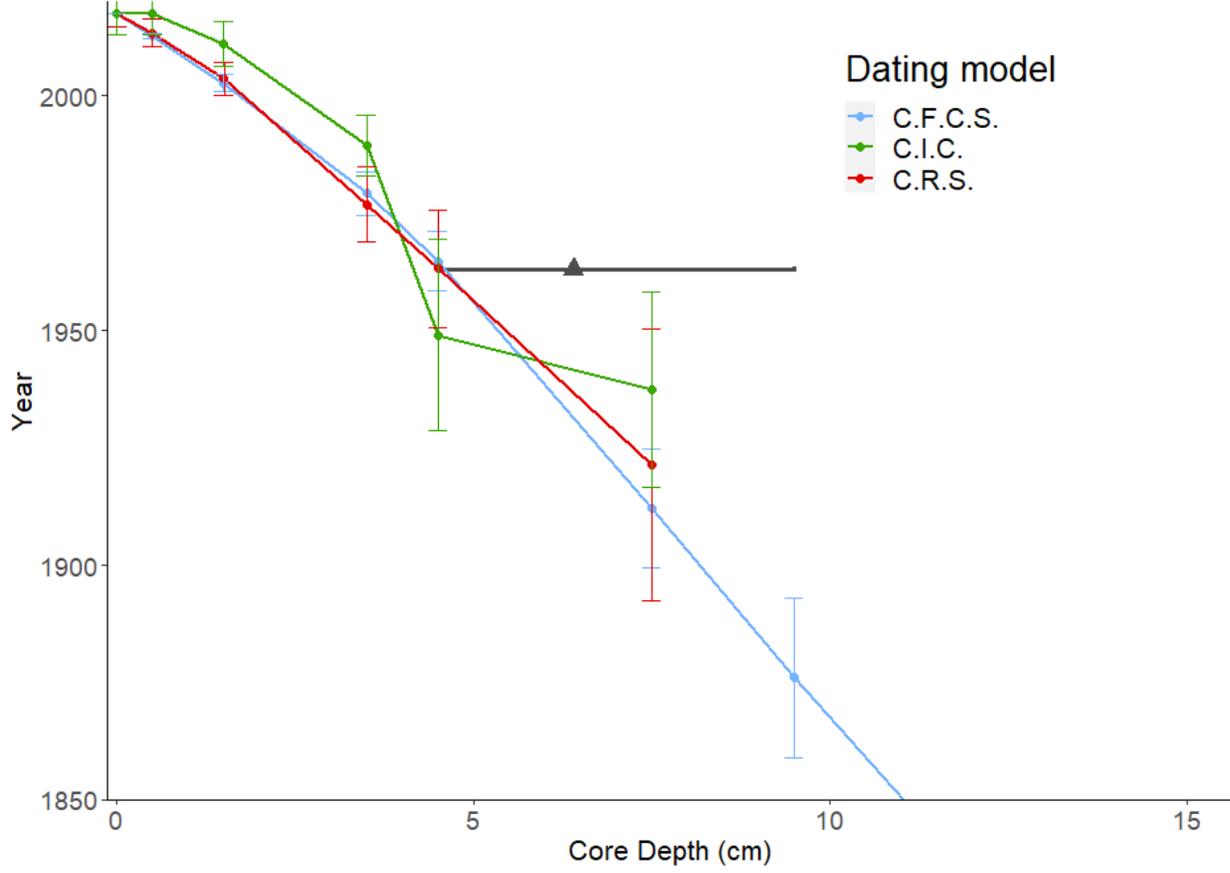




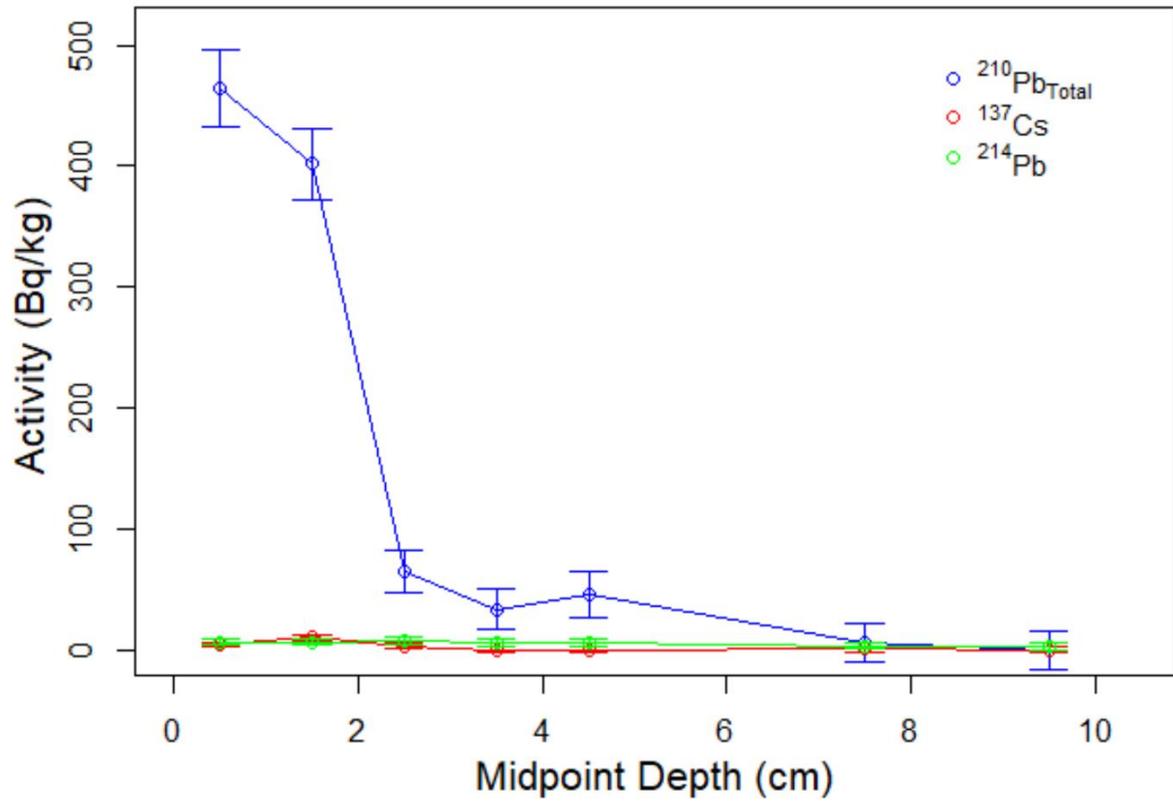
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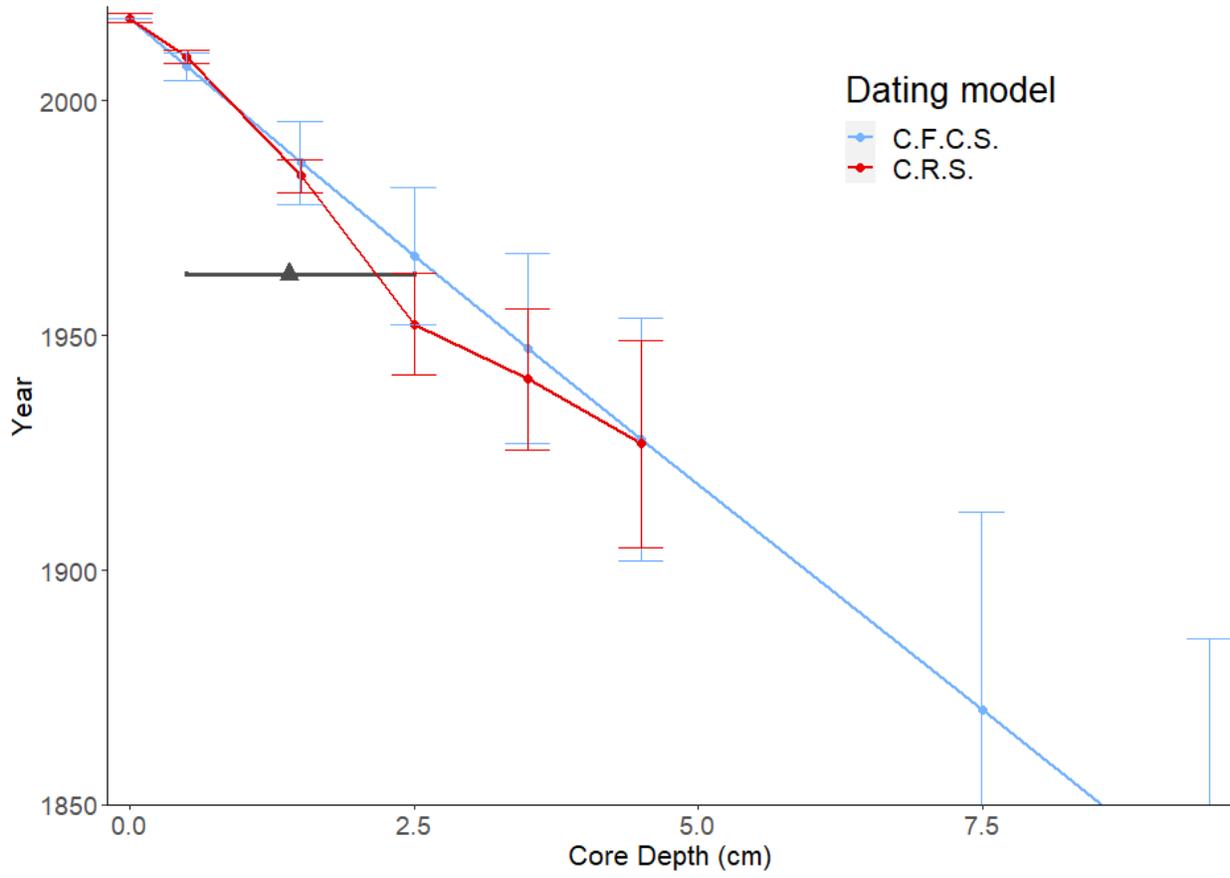
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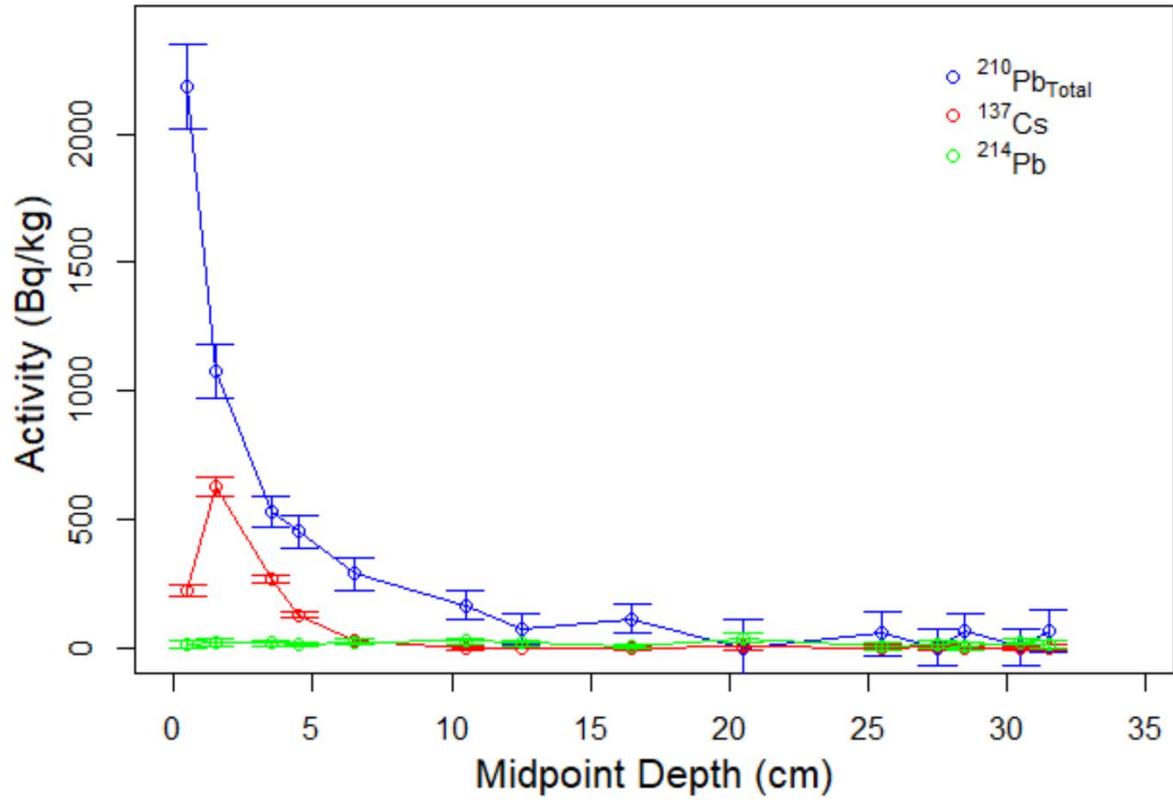
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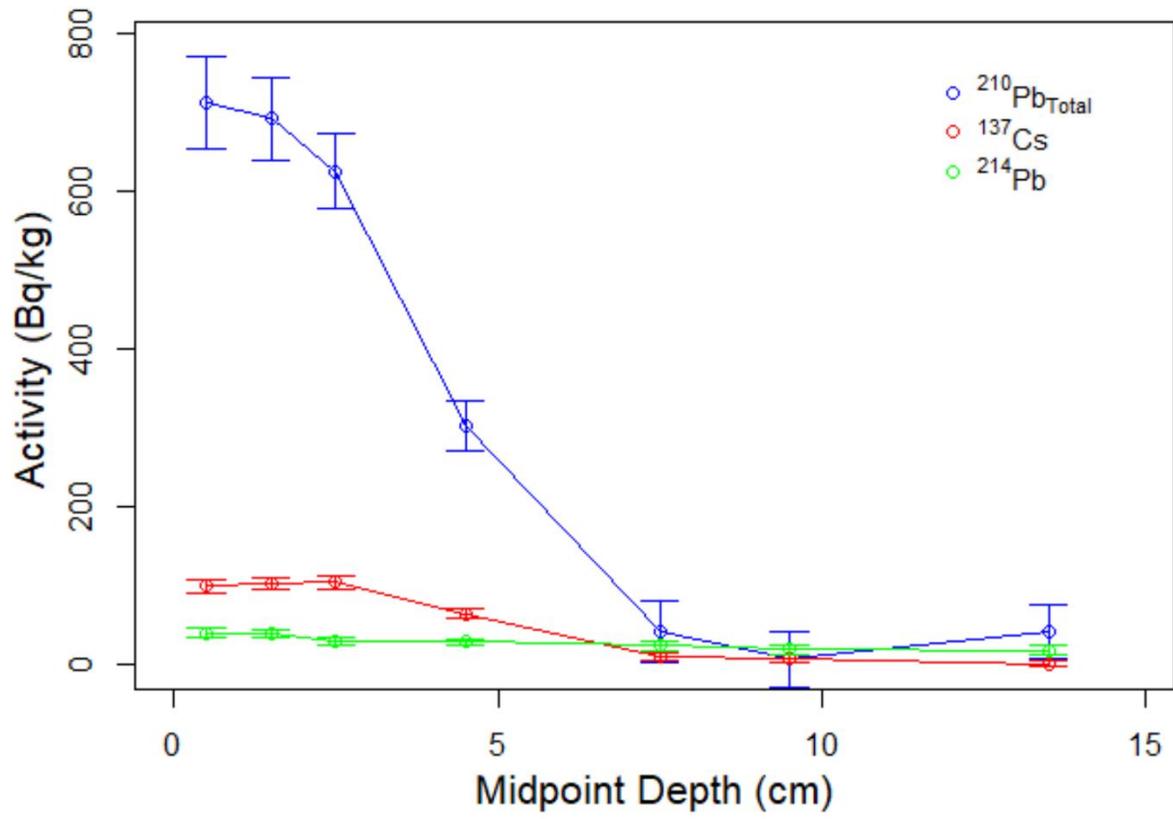
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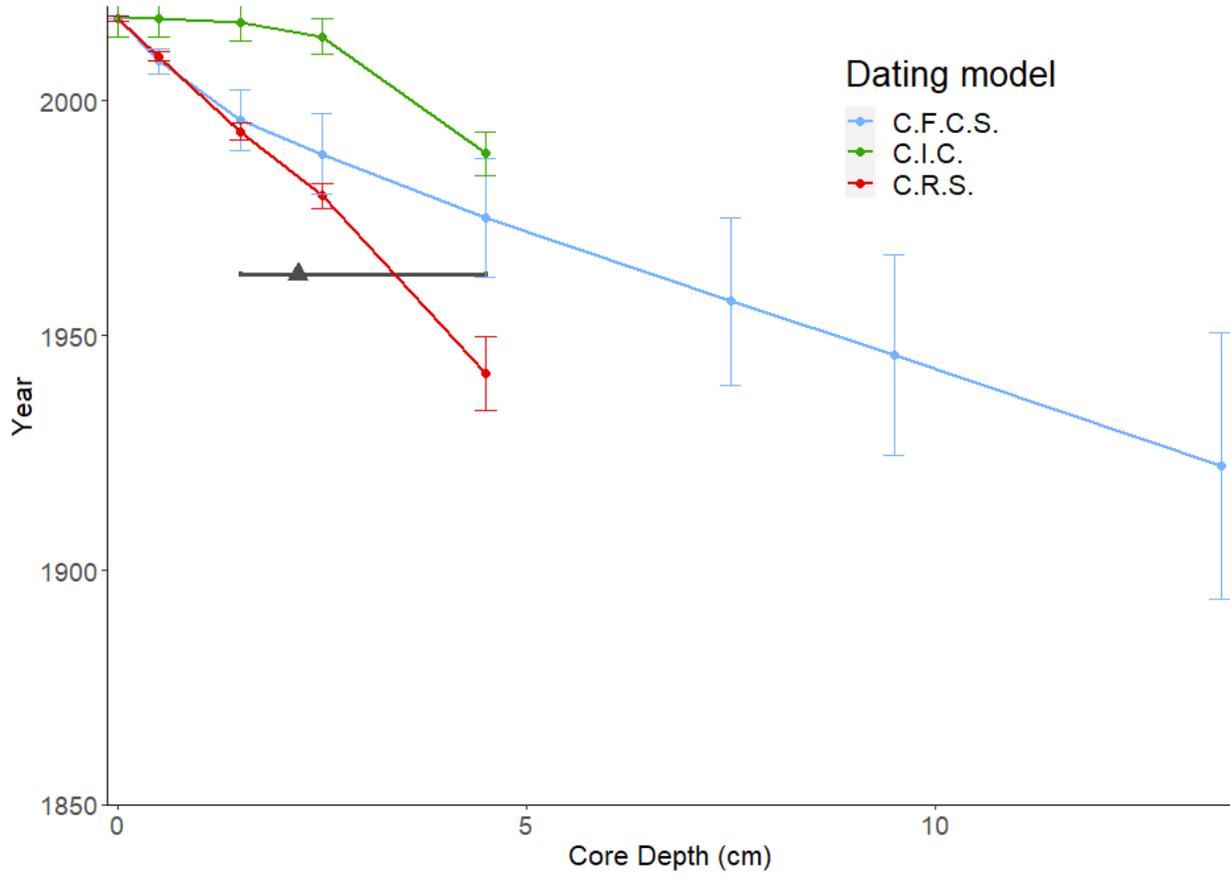
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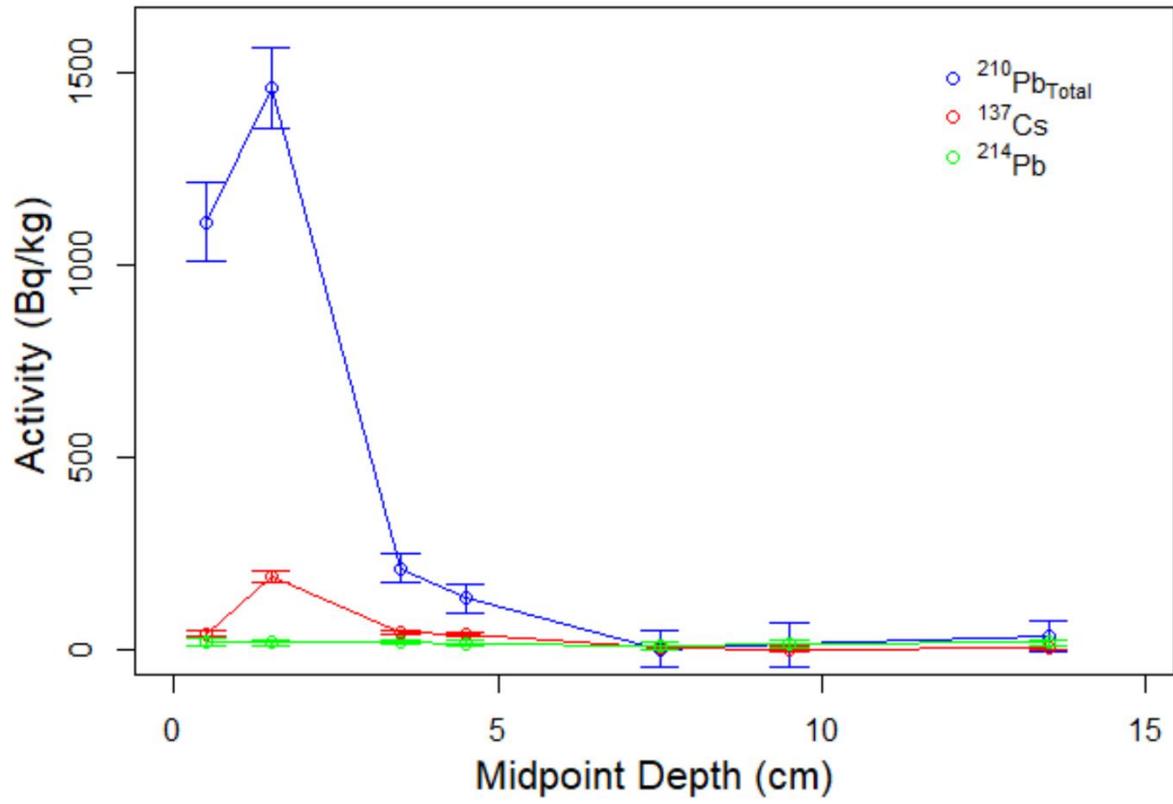
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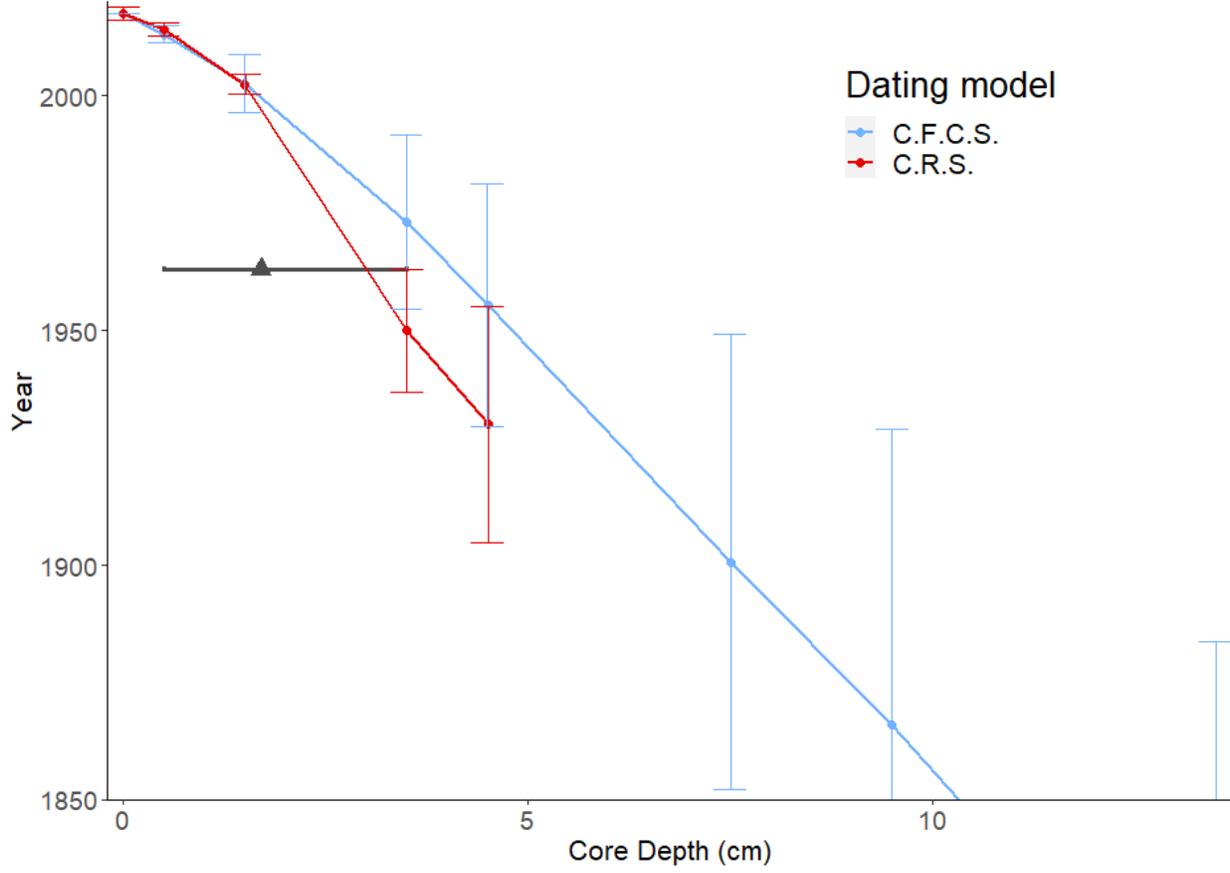
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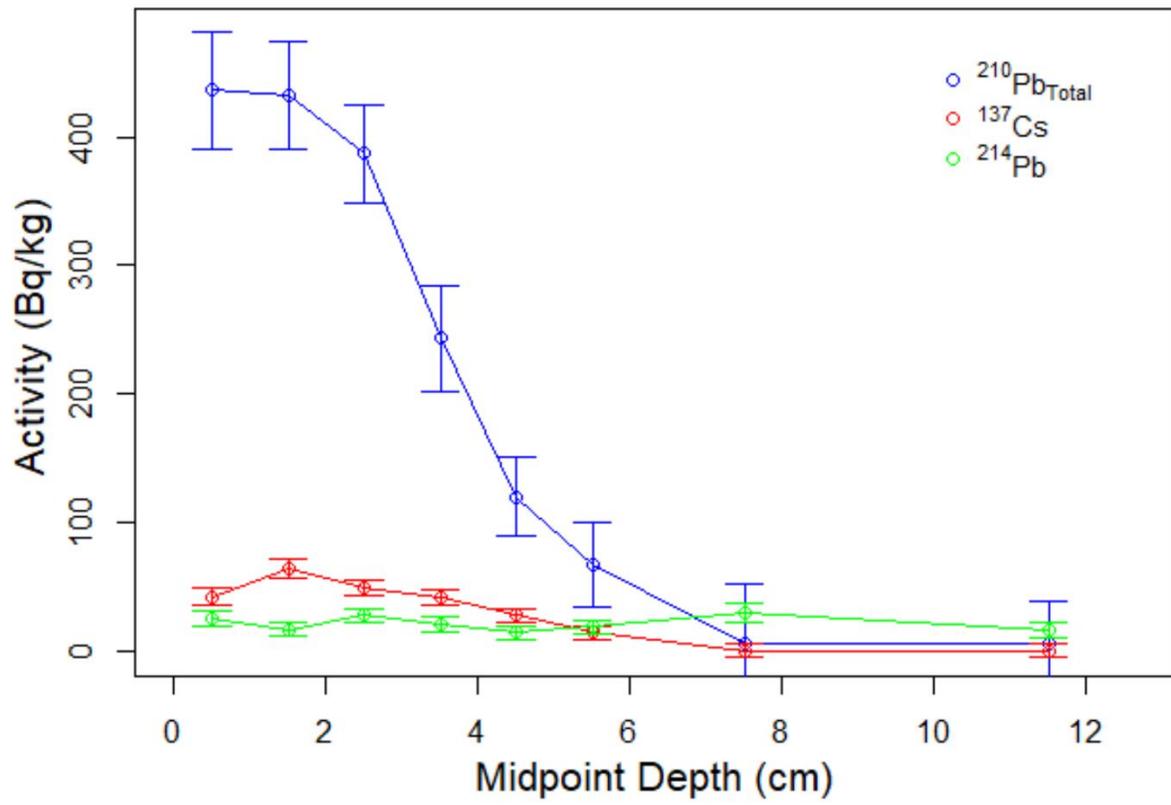
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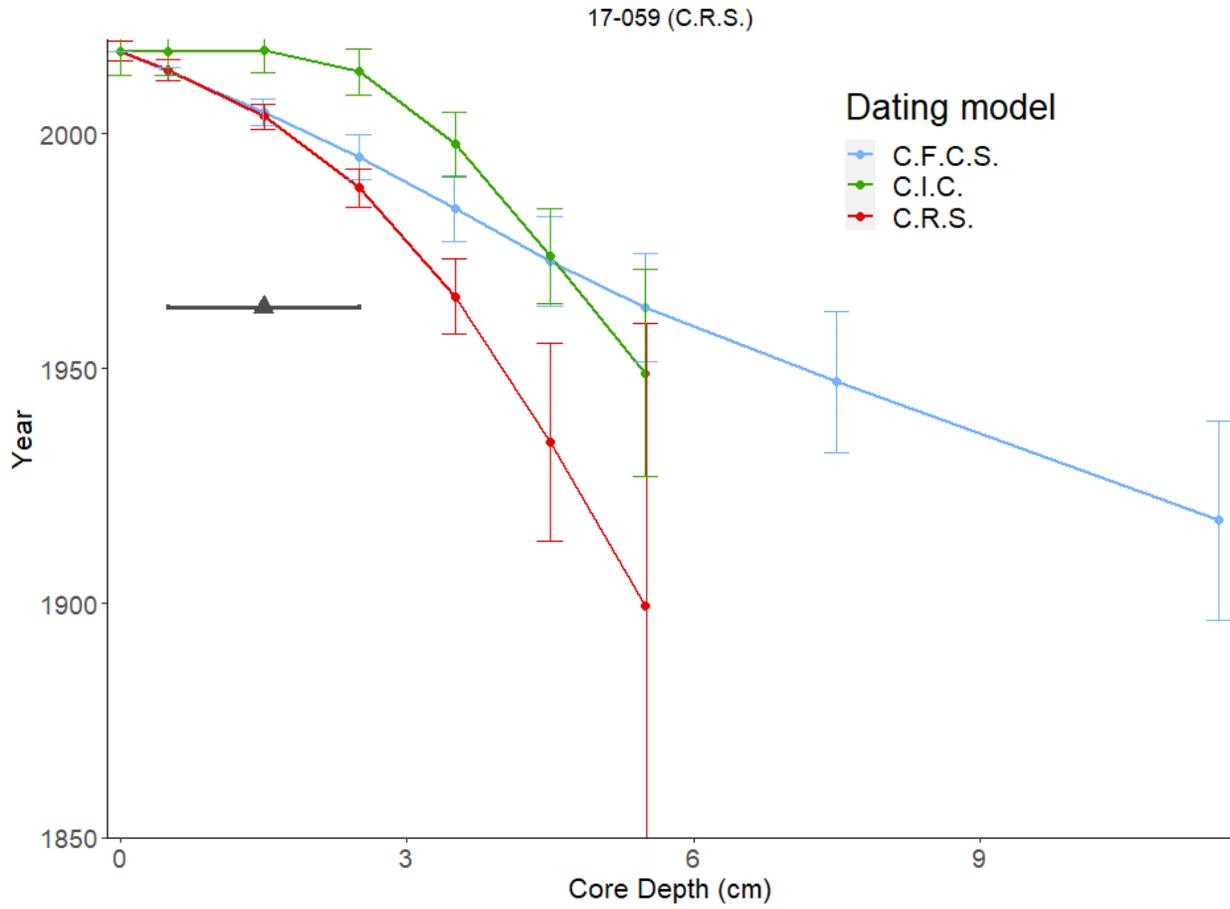


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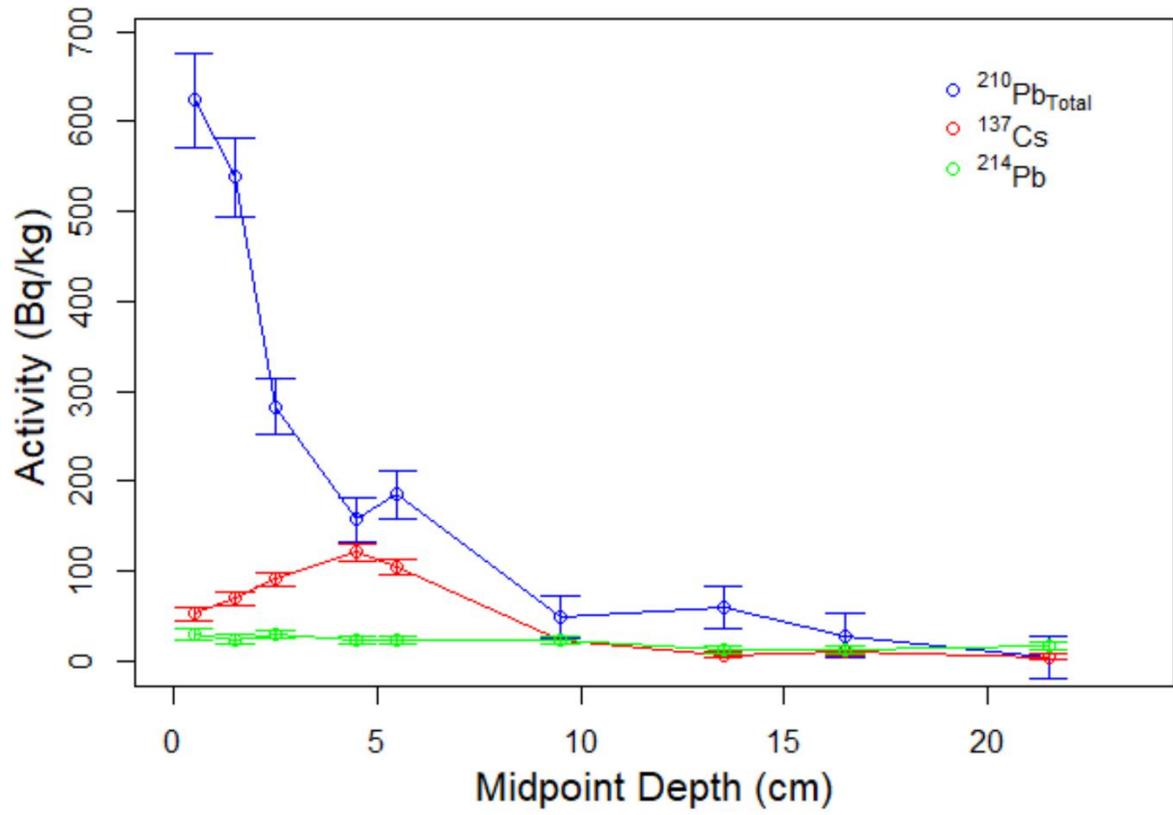


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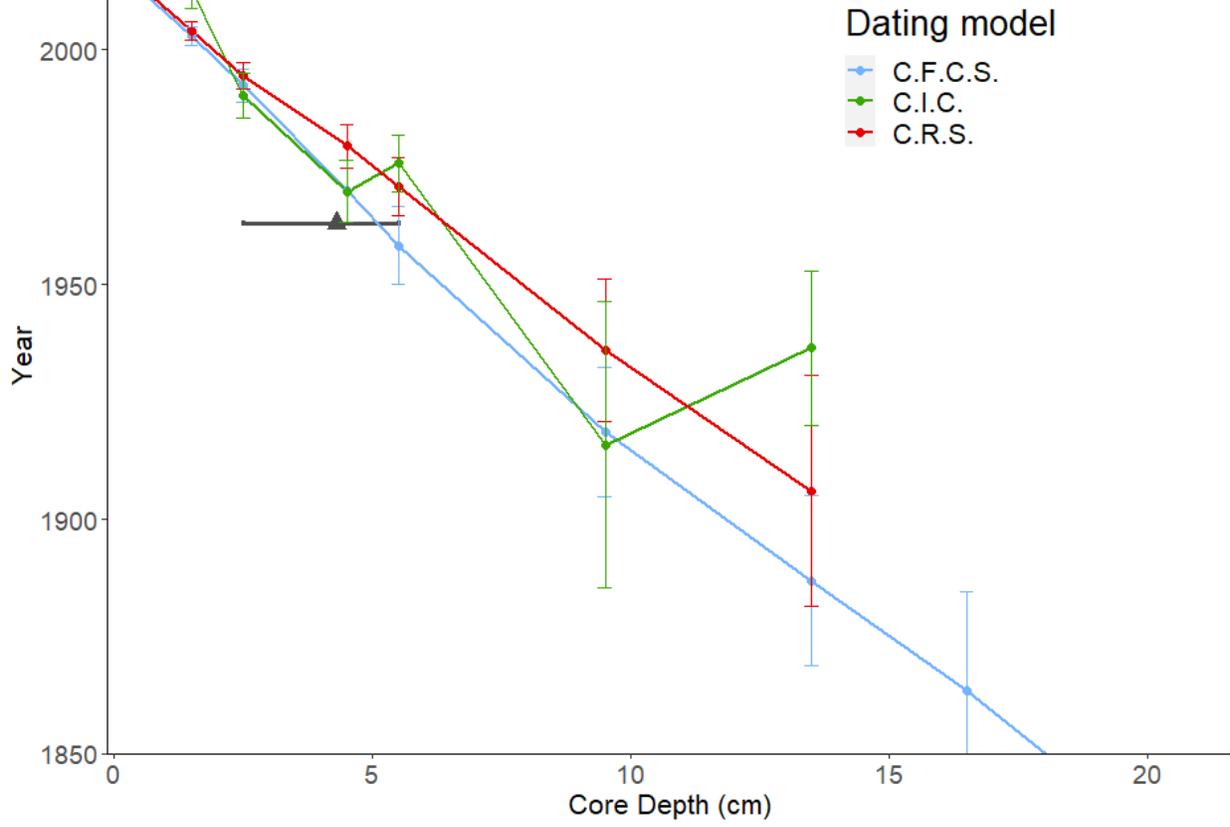




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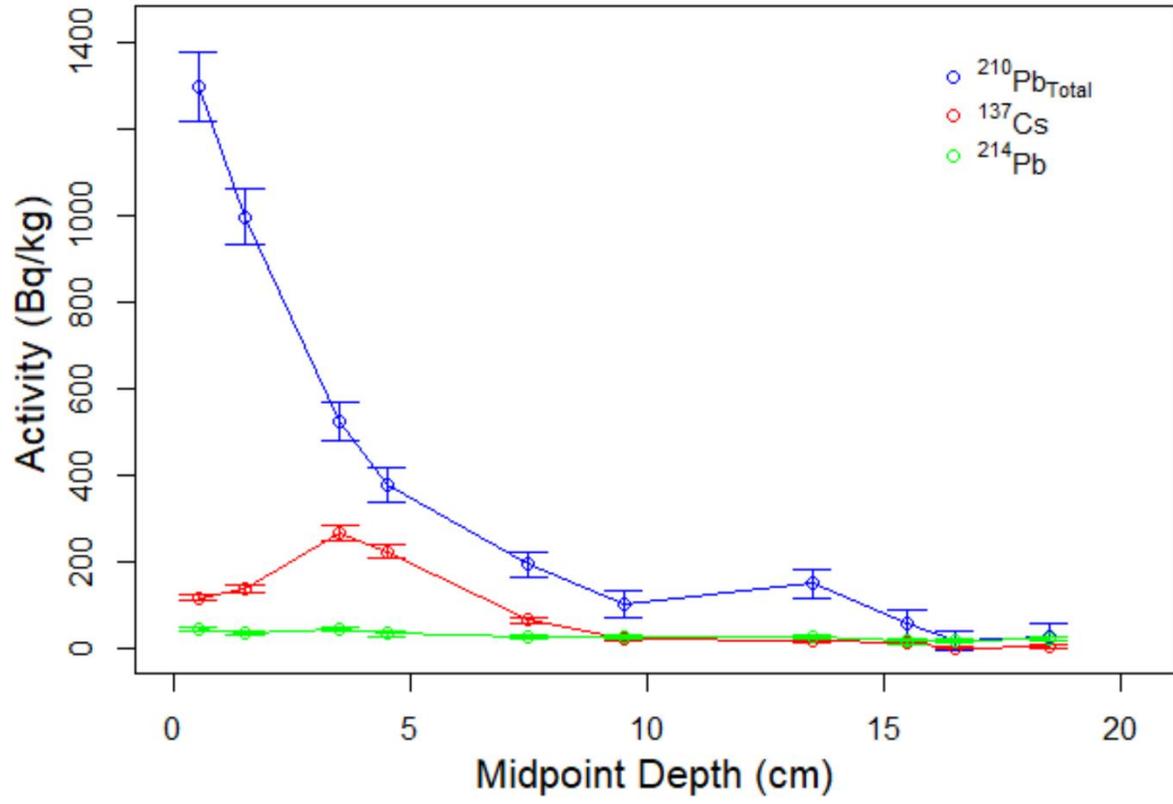
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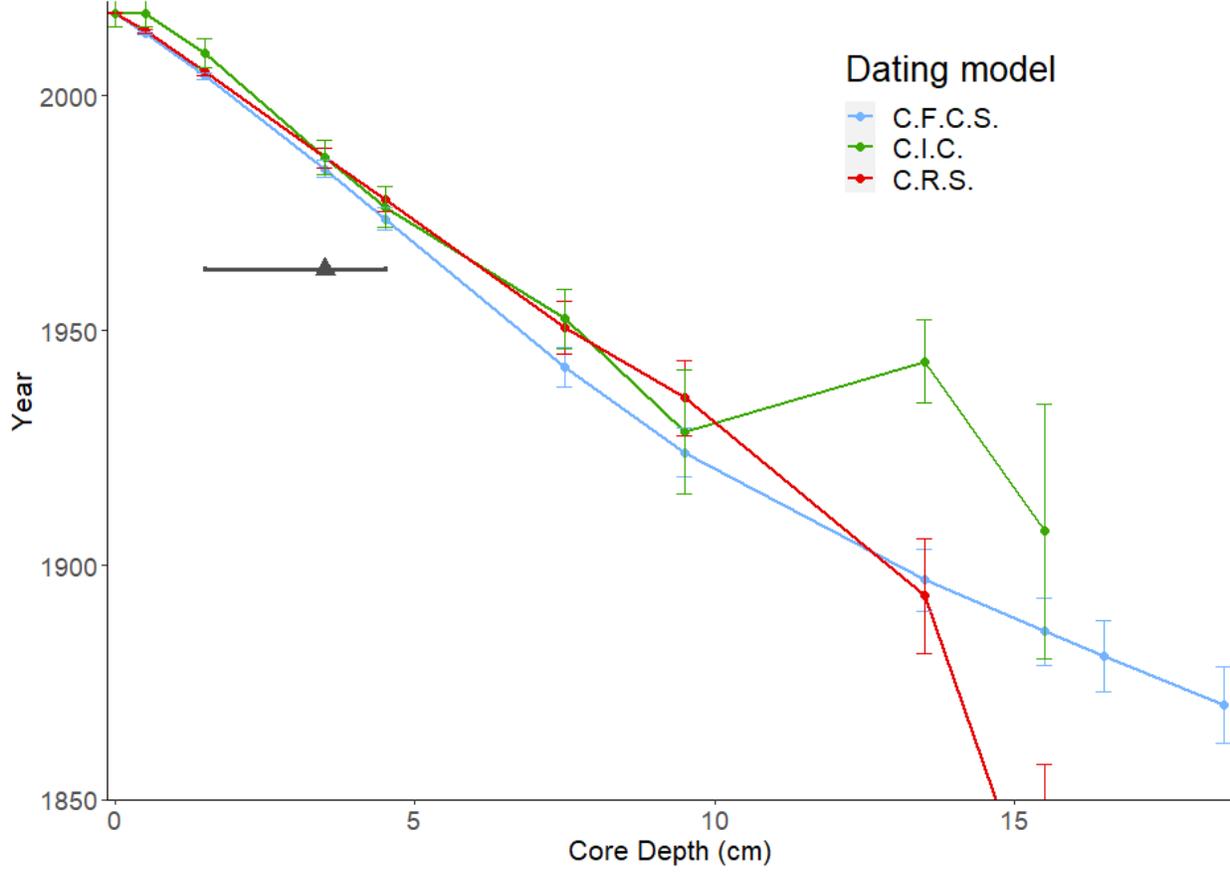
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17-067



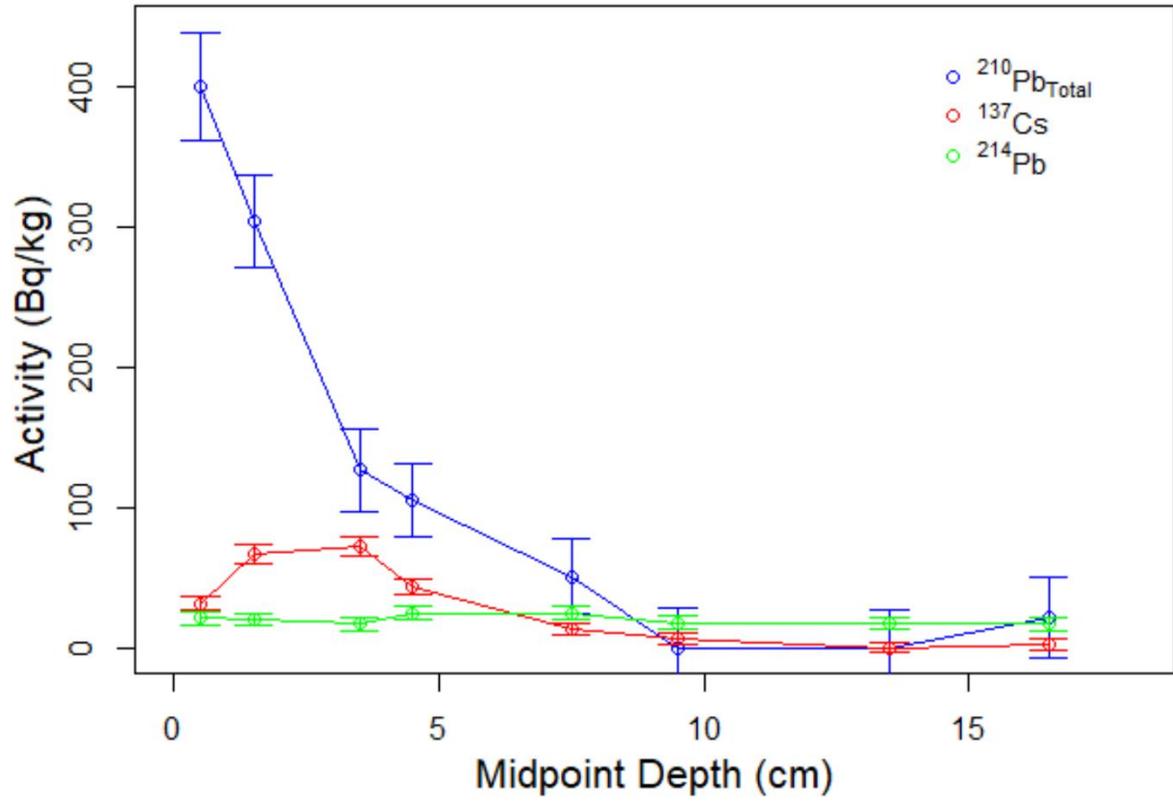
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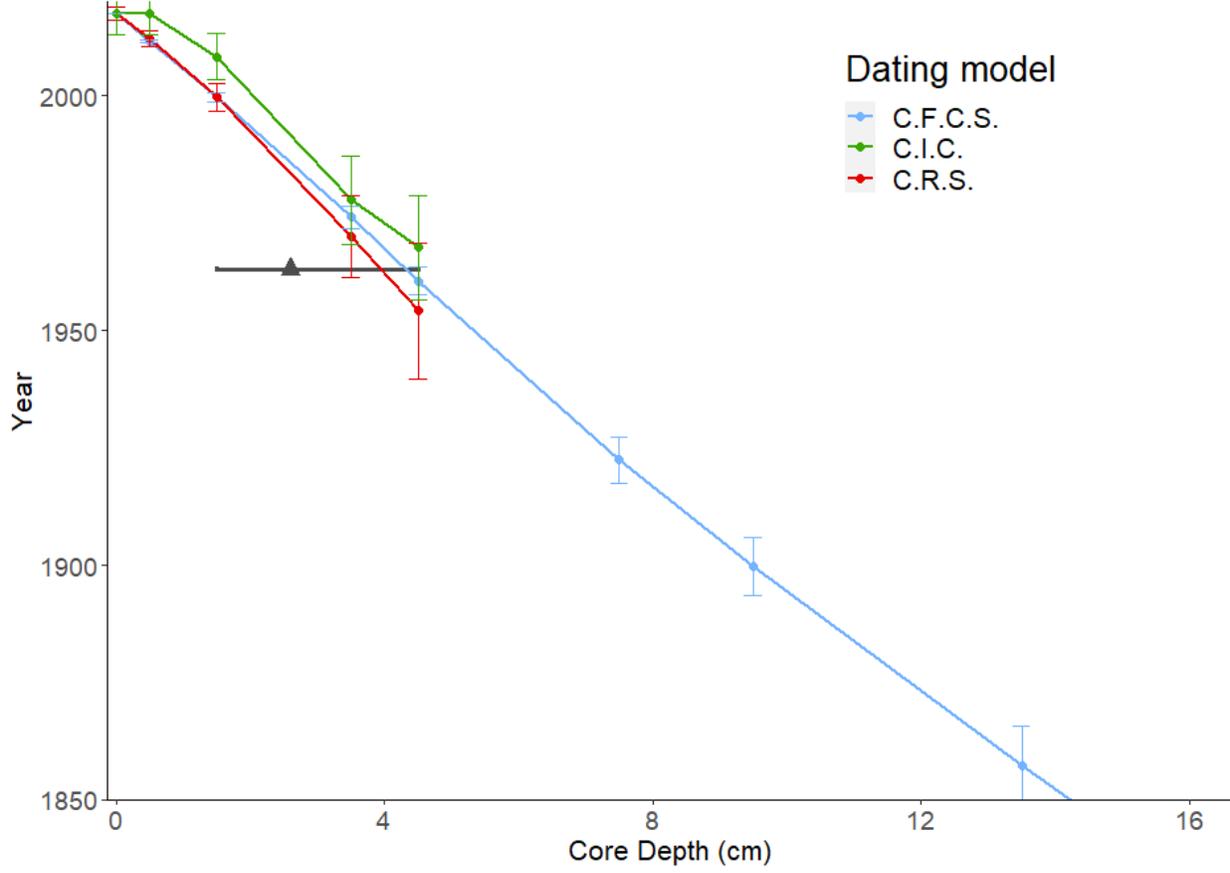
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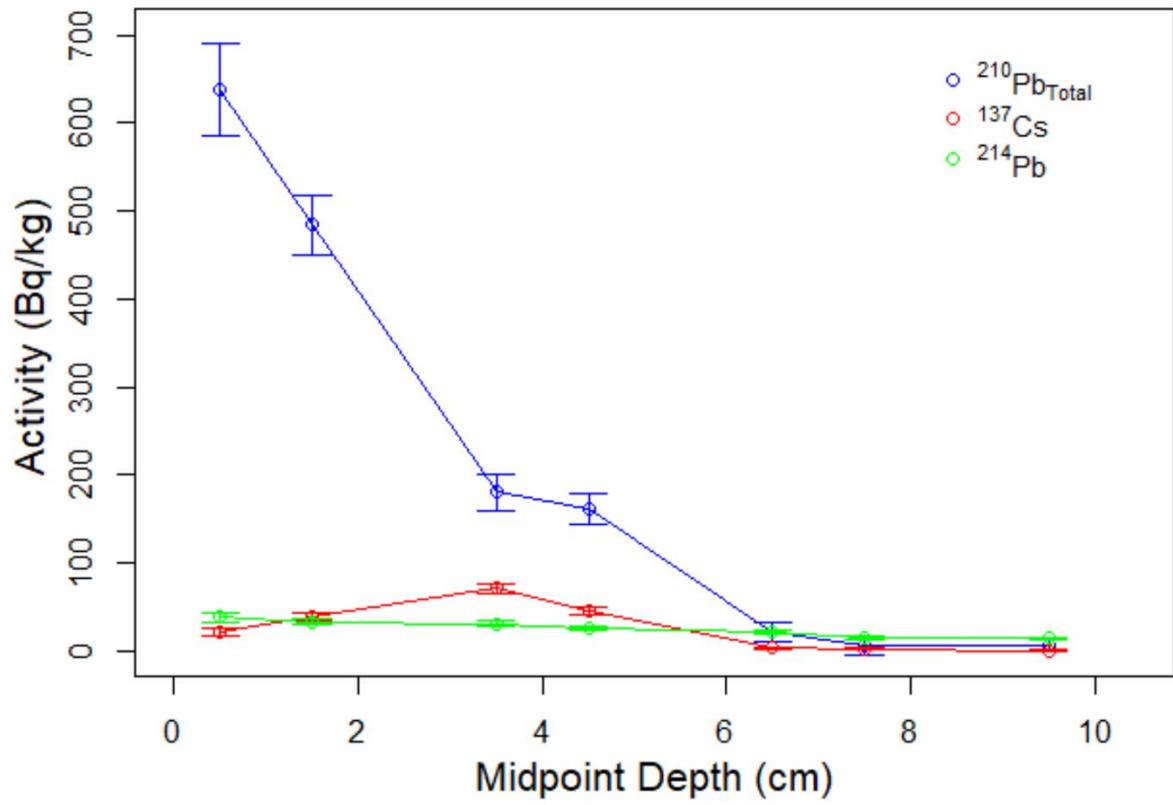
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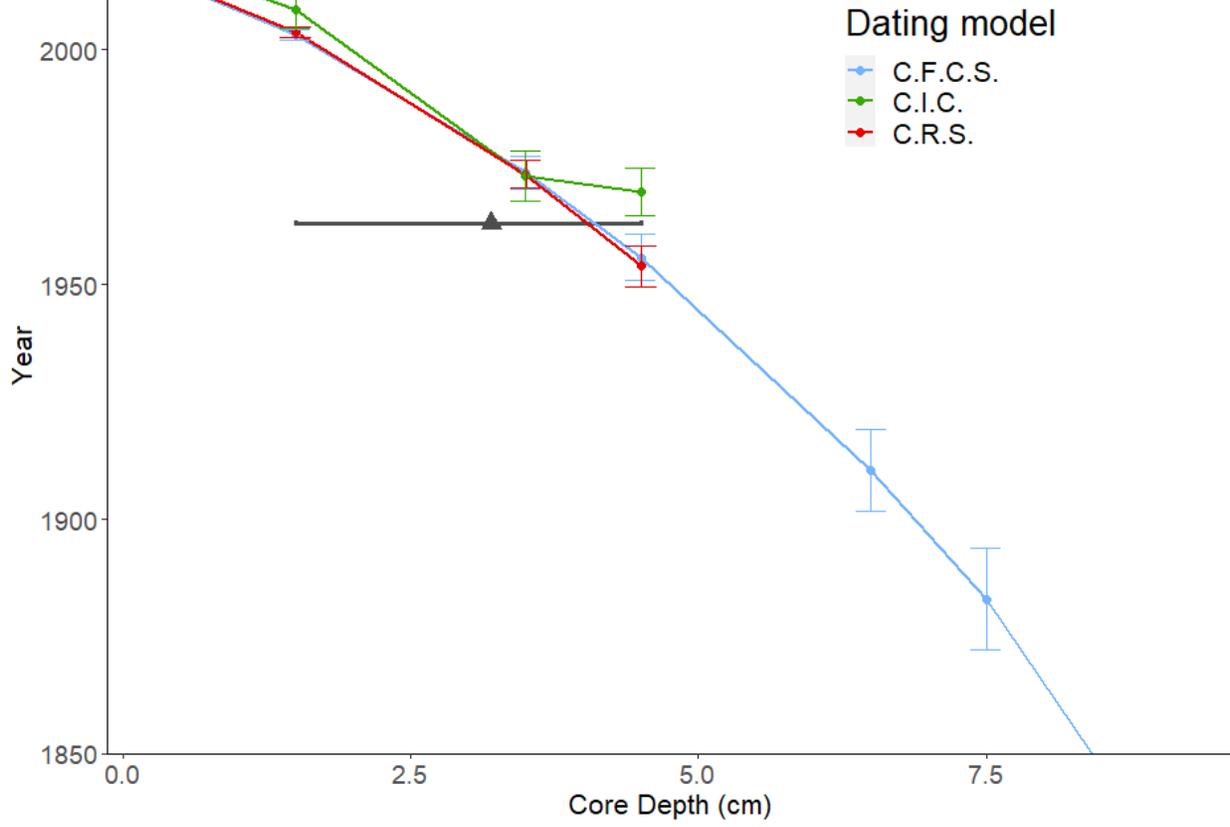
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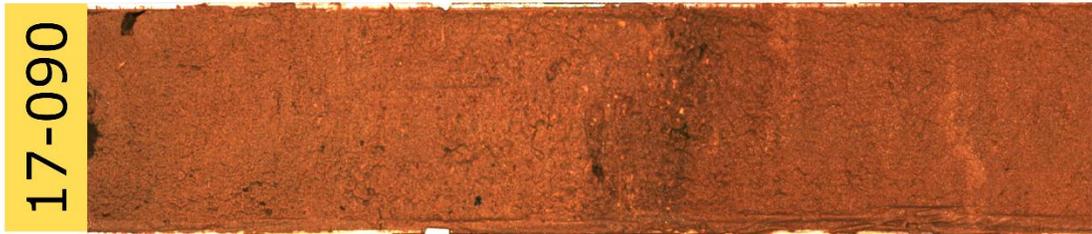
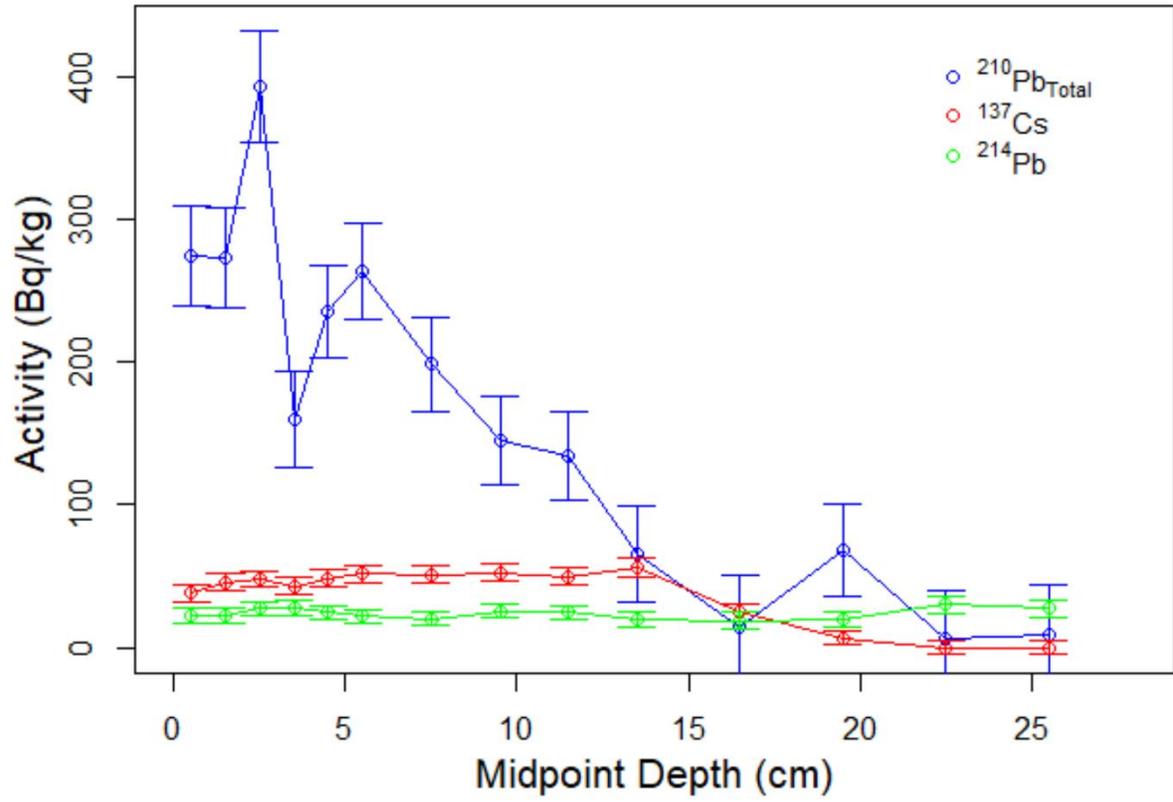
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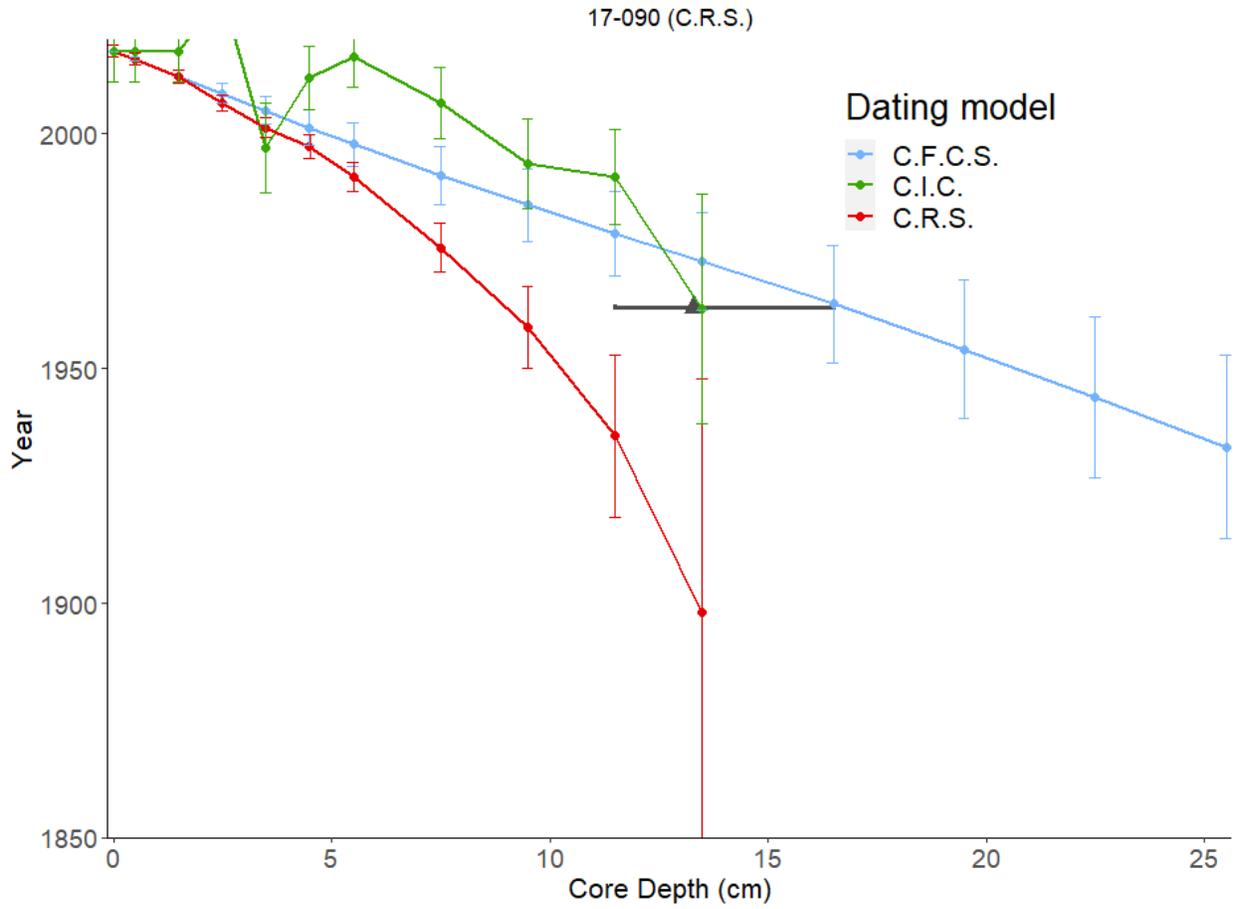


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# 17-090

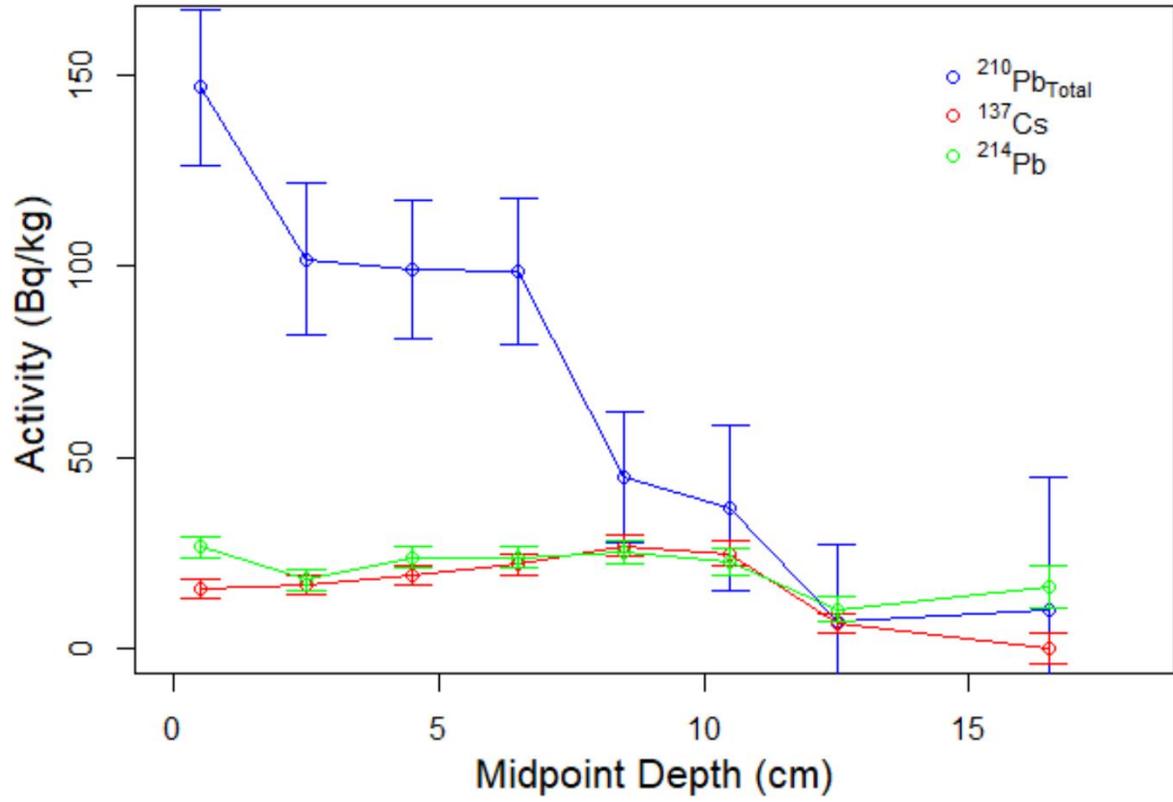


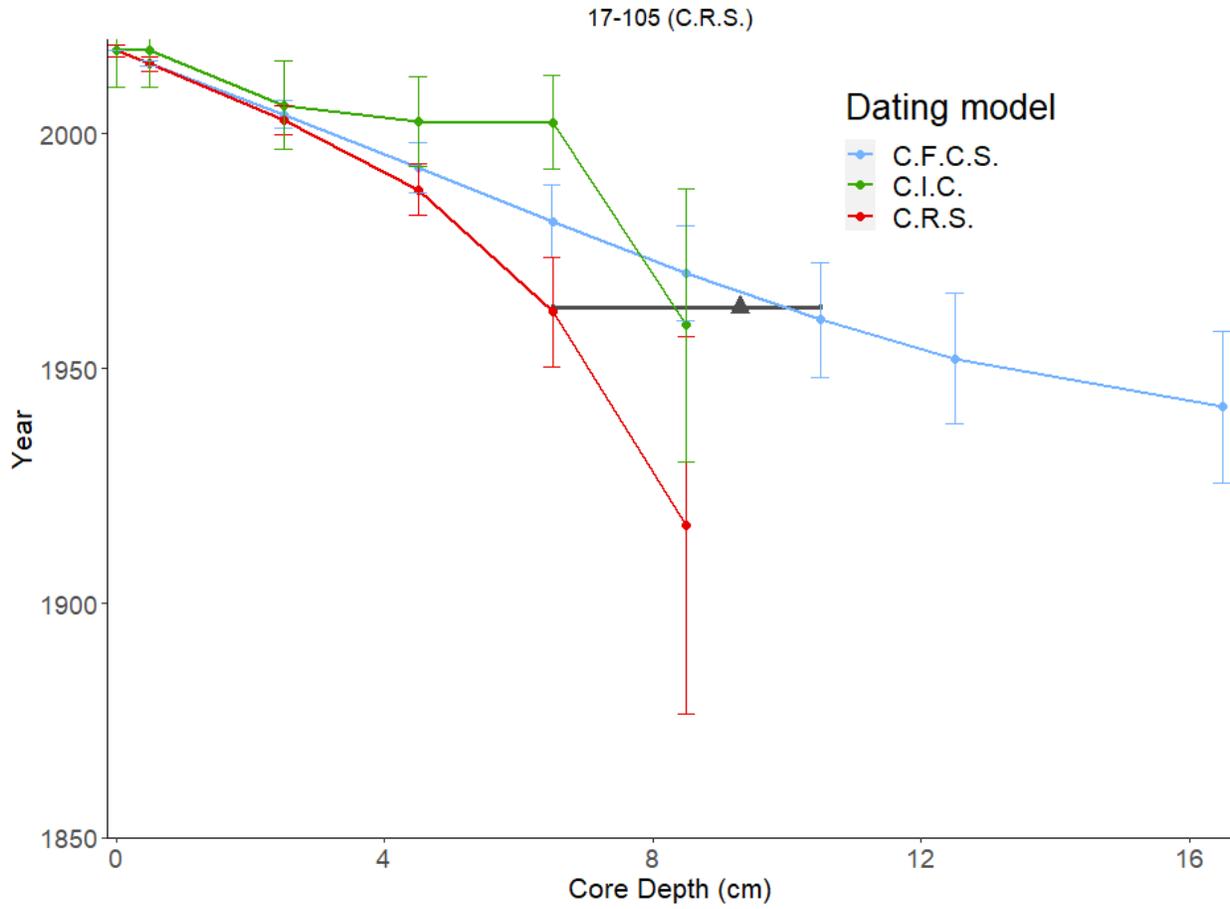


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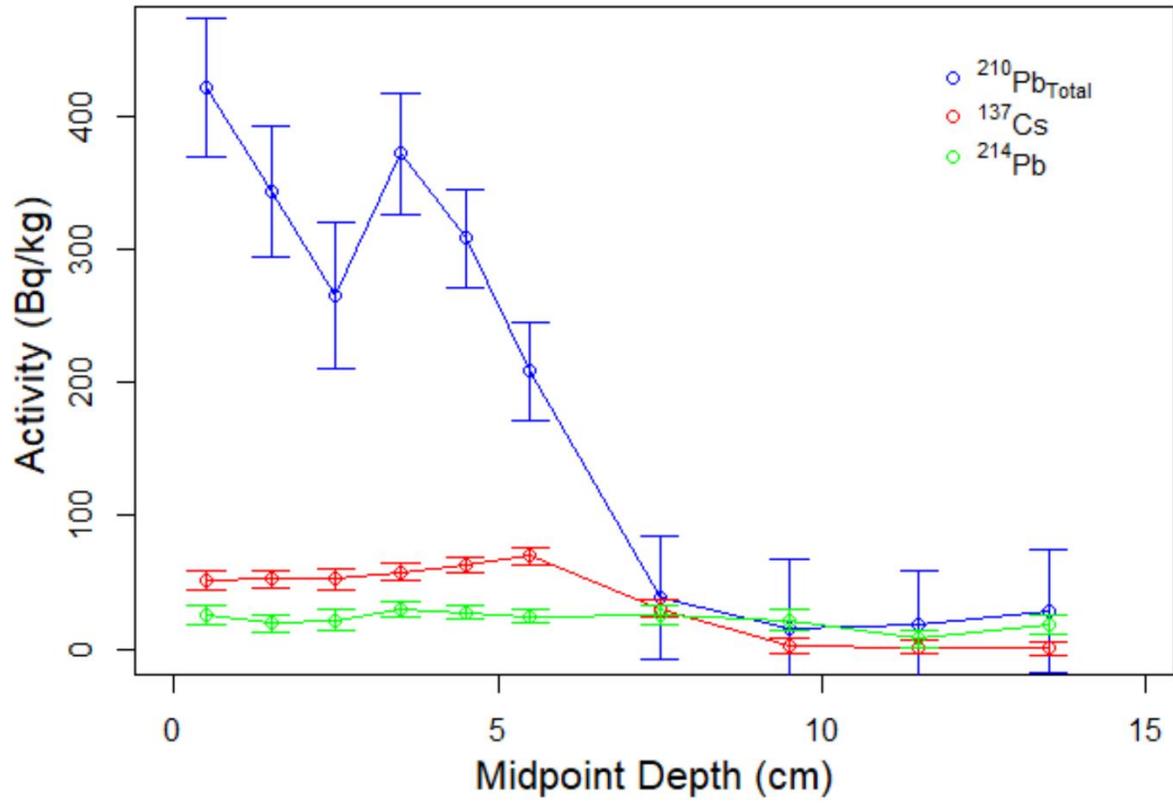
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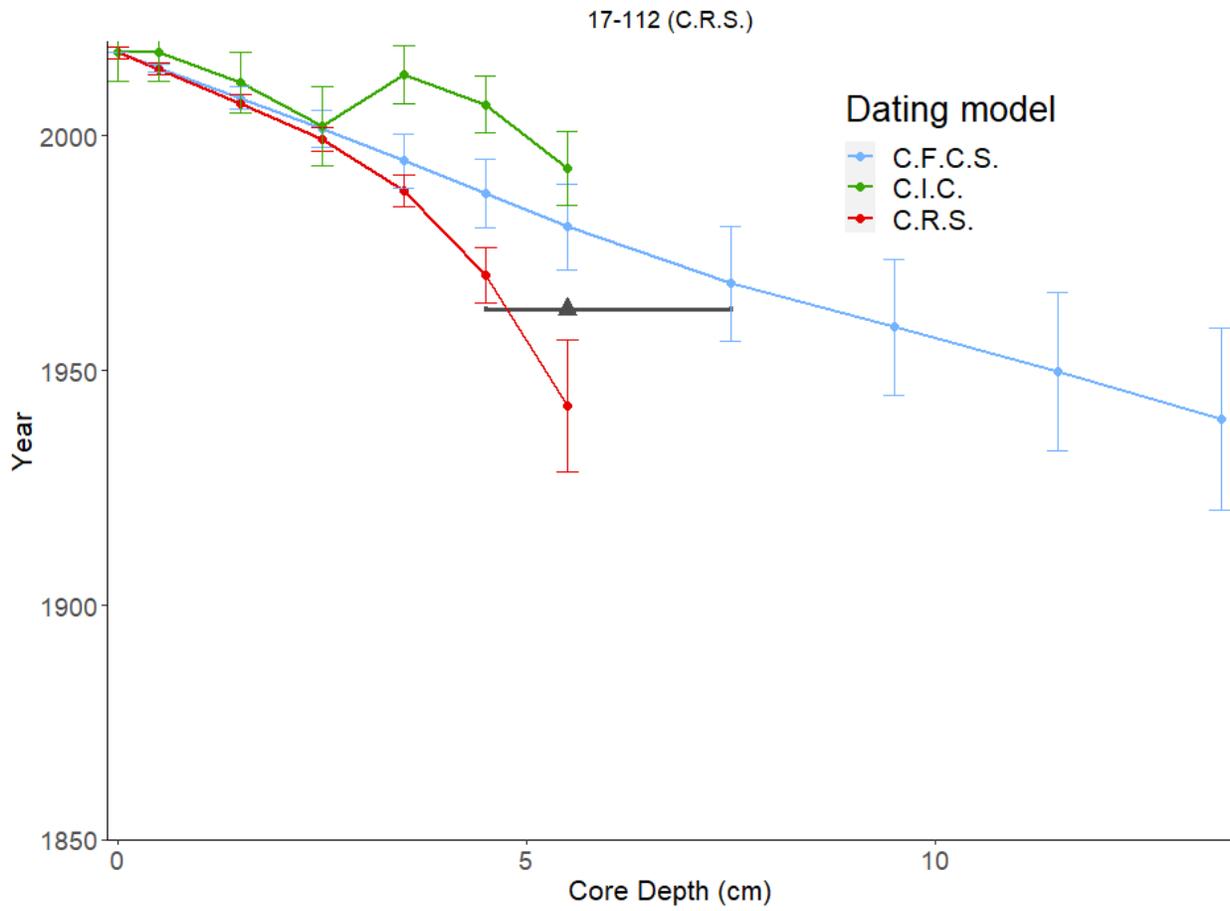
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### 17-112





# 17-116

