Outlook

Re: CH4 tiepoints between many cores

From Buizert, Christo <Christo.Buizert@oregonstate.edu>
Date Wed 2/12/2025 8:31 AM
To Frédéric Parrenin <frederic.parrenin@univ-grenoble-alpes.fr>; Mackay, Quinn <mackayq@oregonstate.edu>

Thanks Fred,

We can implement following your suggestion.

Best, Christo

On 2/12/2025 3:29, Frédéric Parrenin wrote:
> [This email originated from outside of OSU. Use caution with links and
> attachments.]
>
> Dear Christo,
>
> I think this problem is hitting a limitation of Paleochrono, where the
> information on the site pairs are supposed to be independent.
> Here, because we use the same CH4 records for the different synchro
> exercises, the information are not really independent.
> So my suggestion is to have one high resolution core as a reference and
> match the other cores to it.
> Of course the problem might be that the reference core is not the same
> for different time intervals.
>
> In the long run, I plan to implement a synchronisation module in
> Paleochrono, where all records would be match at once automatically,
> which would avoid this kind of problem. This is in my TODO list.
>
> All the best,
>
> Fred
>
> Le 12/02/2025 à 02:47, Christo Buizert a écrit :
>> Dear Fred,
>>
>> If we are running 6 ice cores in Paleochrono, and in each we have the
>> same time marker in CH4 (for example DO8), what is the best way to
>> implement this?

>>
>> Should we provide 6*5/2=15 files with gas-gas matches for each of the
>> pair of cores (AB, AC, AD, AE,AF, BC, BD, BE, BF, CD, CE, CF, DE, DF,
>> EF), or would it be sufficient to designate one core (core A) as the
>> "anchor", and provide 5 files with gas matches (AB, AC, AD, AE, AF)?
>>
>> Thanks. Christo
>>
>>