

Hydroclimatologie et Biogéochimie des eaux des Andes à l'Amazonie

5ème Réunion scientifique de l'ORE HYBAM

7 - 11 Octobre 2013 - La Paz (Bolivie)



Institut de recherche
pour le développement

Reconstrucción de los últimos 18 ky de Paleoprecipitación en el Nor-este de los Andes peruanos por medio de dos espeleotemas datados com el metodo

Maria Gracia Bustamante Rosell

Francisco William da Cruz Júnior, Abdel Siffidine

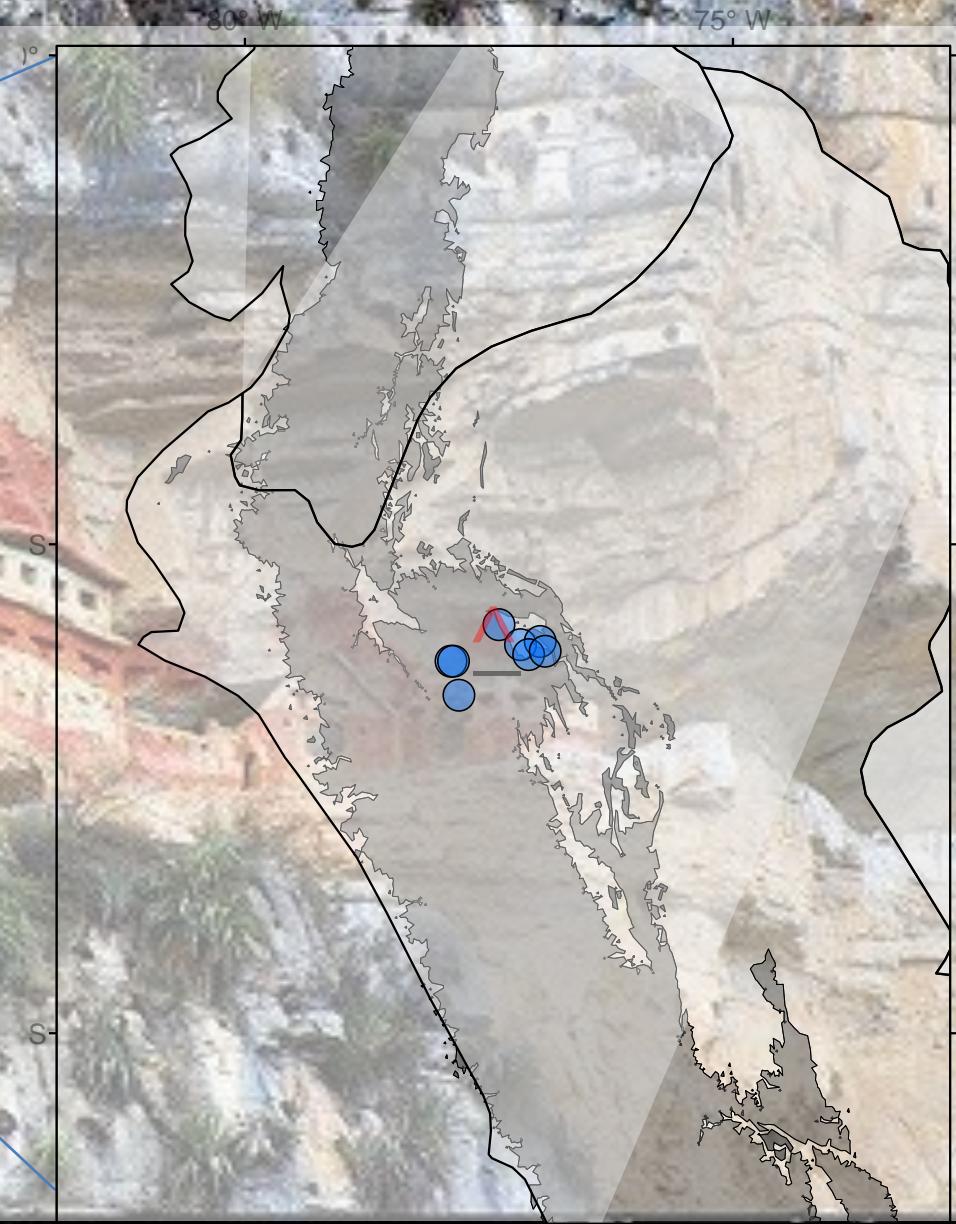
Jean Loup Guyot, Nicolas Strikis, James Apaestegui, Jean S.Moquet

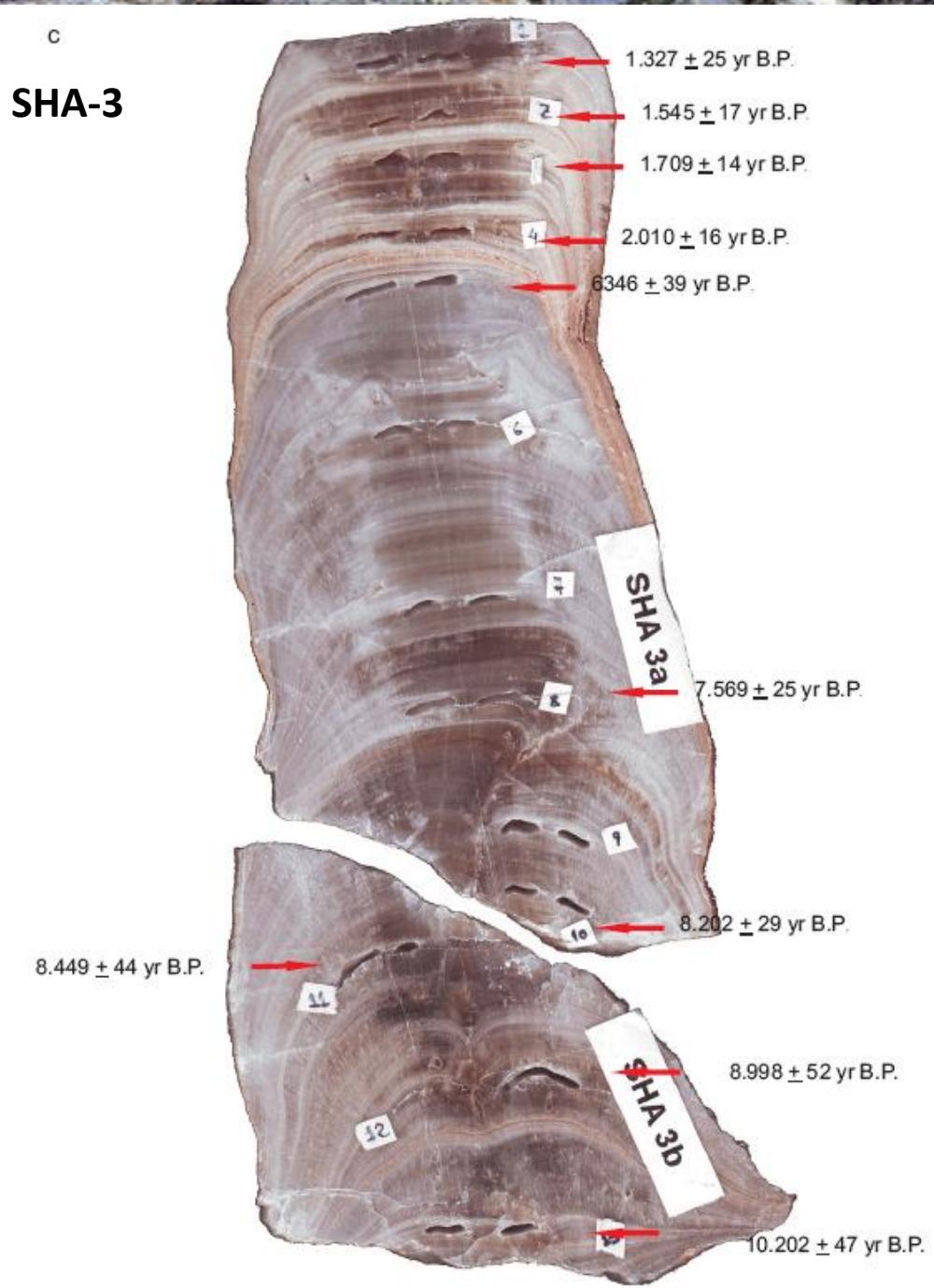


La Paz-Bolivia-2013



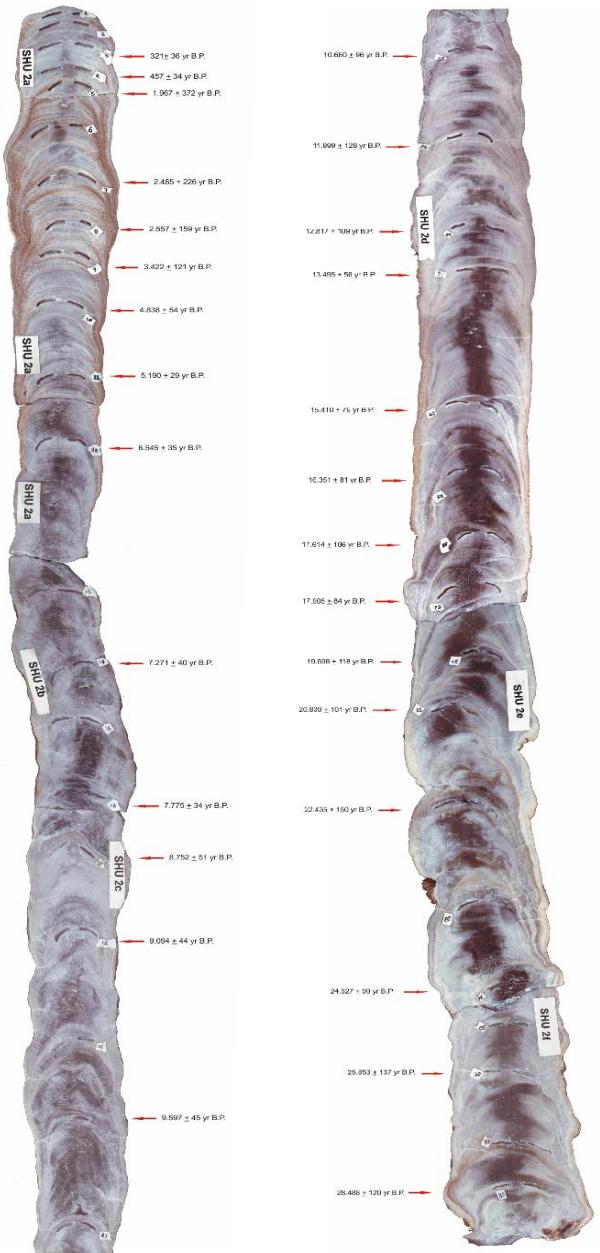
Área de Estudio





SHA-2

Sha-2
Anexo-B

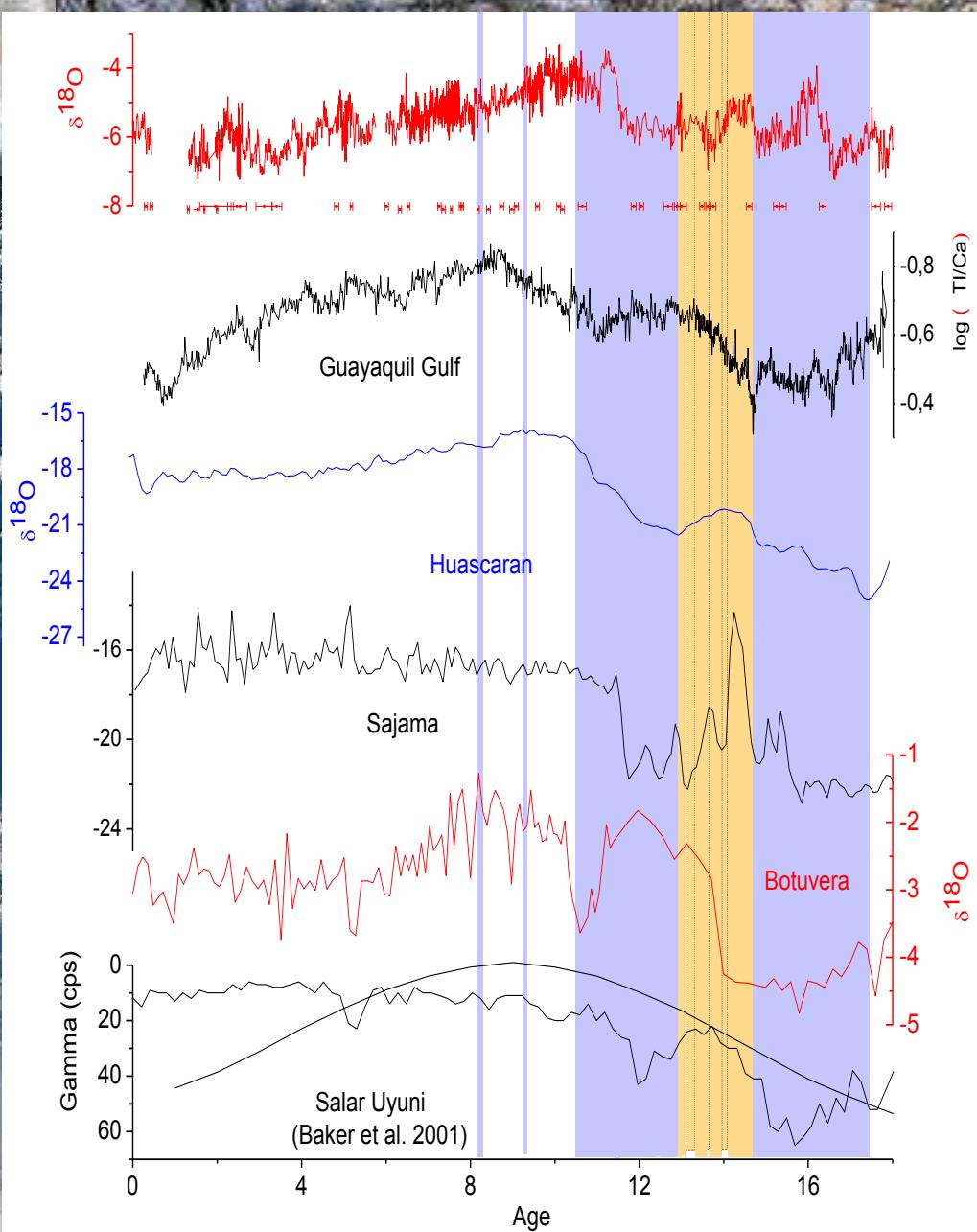


SAMS

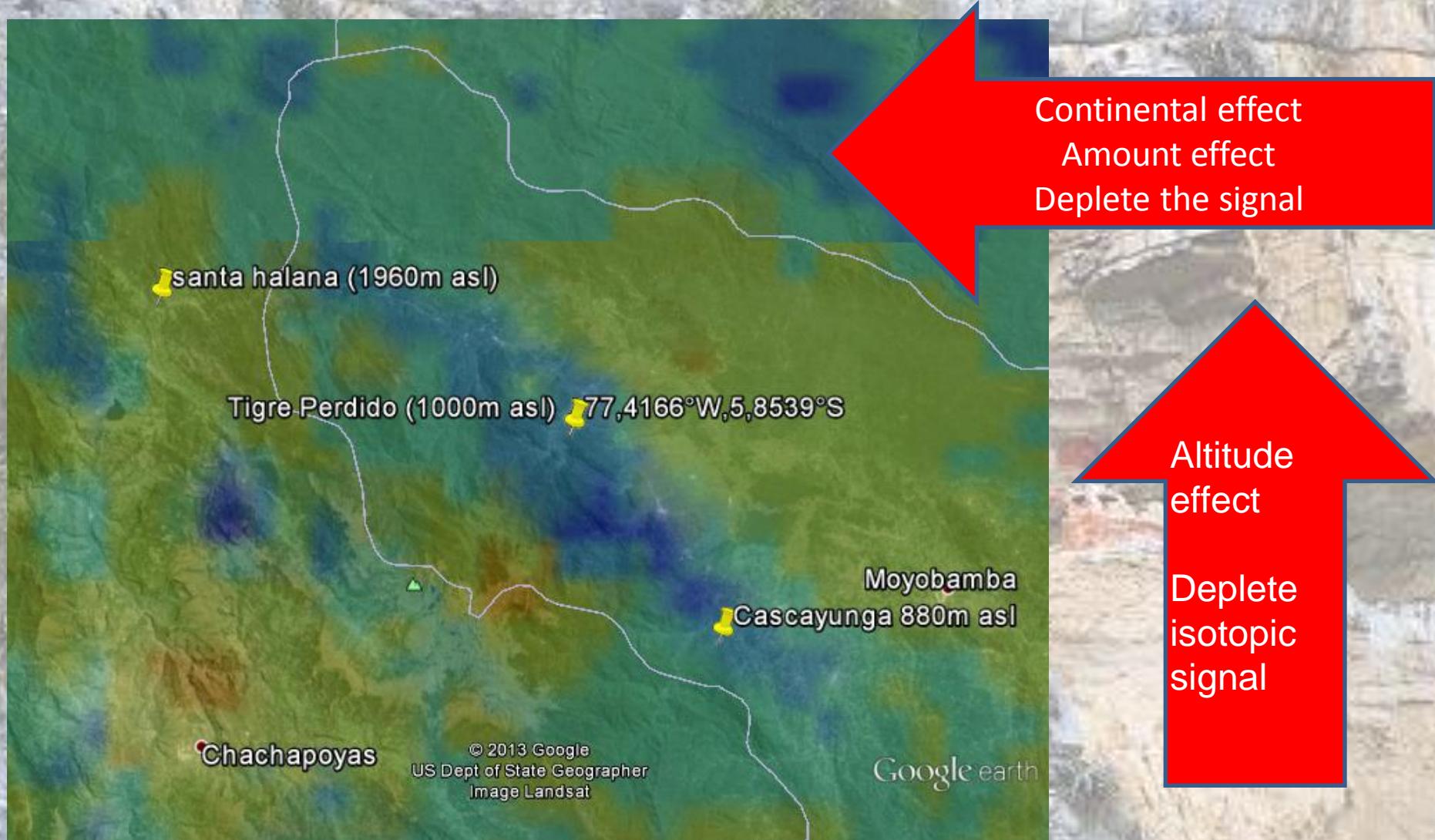
Imagen do Satélite Goes-12 Ch4



16:00 (Brasília) 12/Fev/2006 Dom



Descripción del Sitio

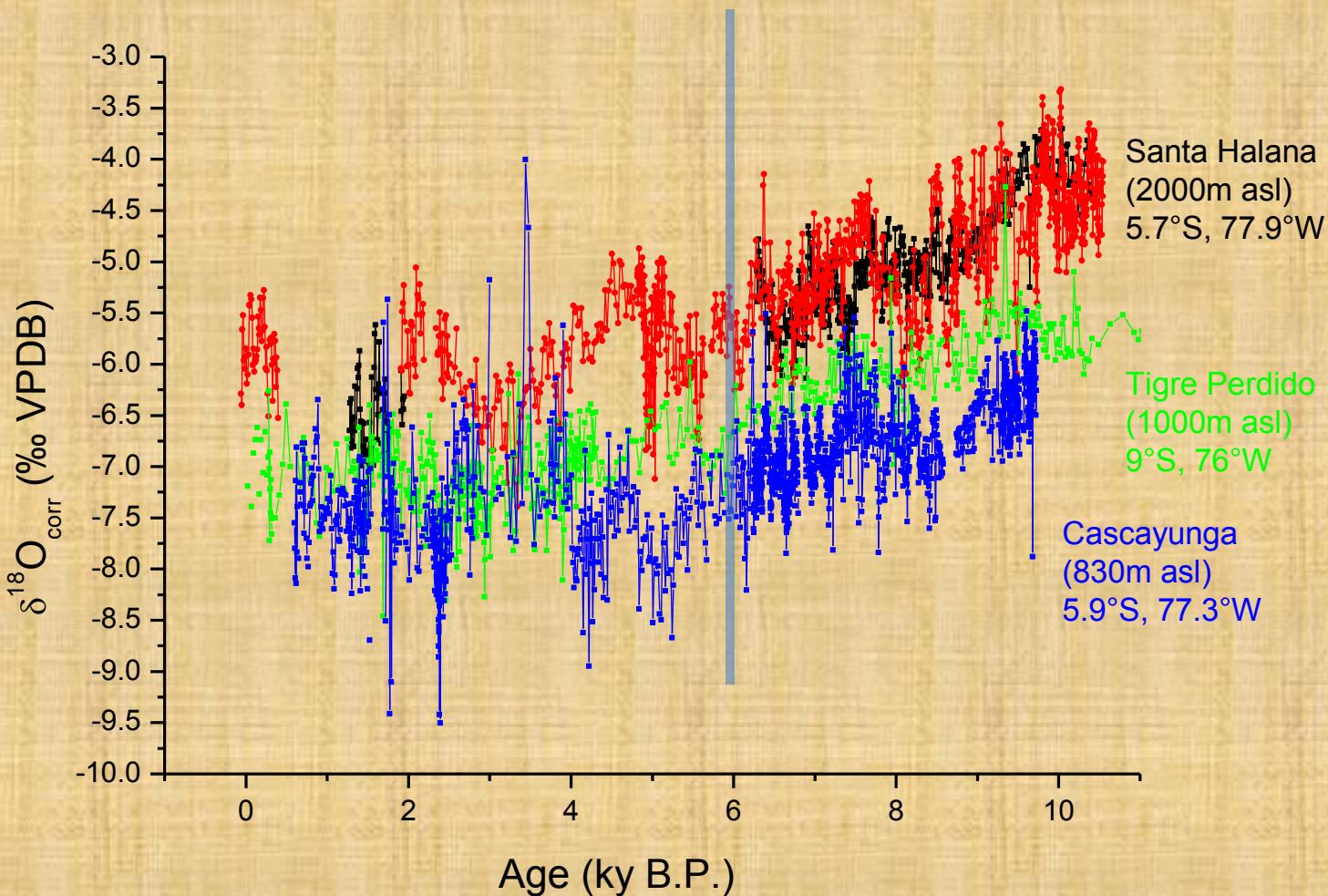


Results and Discussion

North-eastern Andes

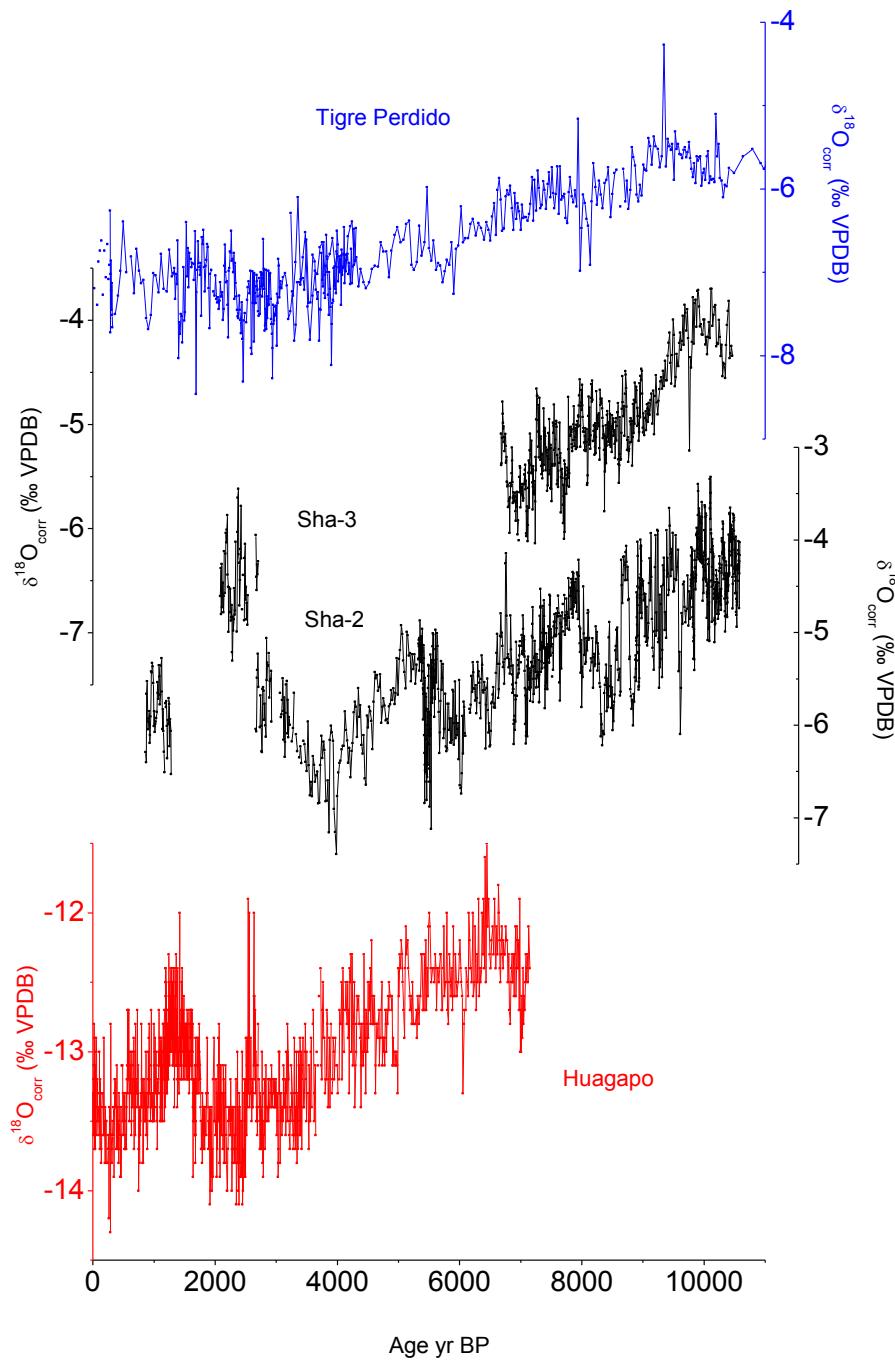
Where is
Altitude
effect?

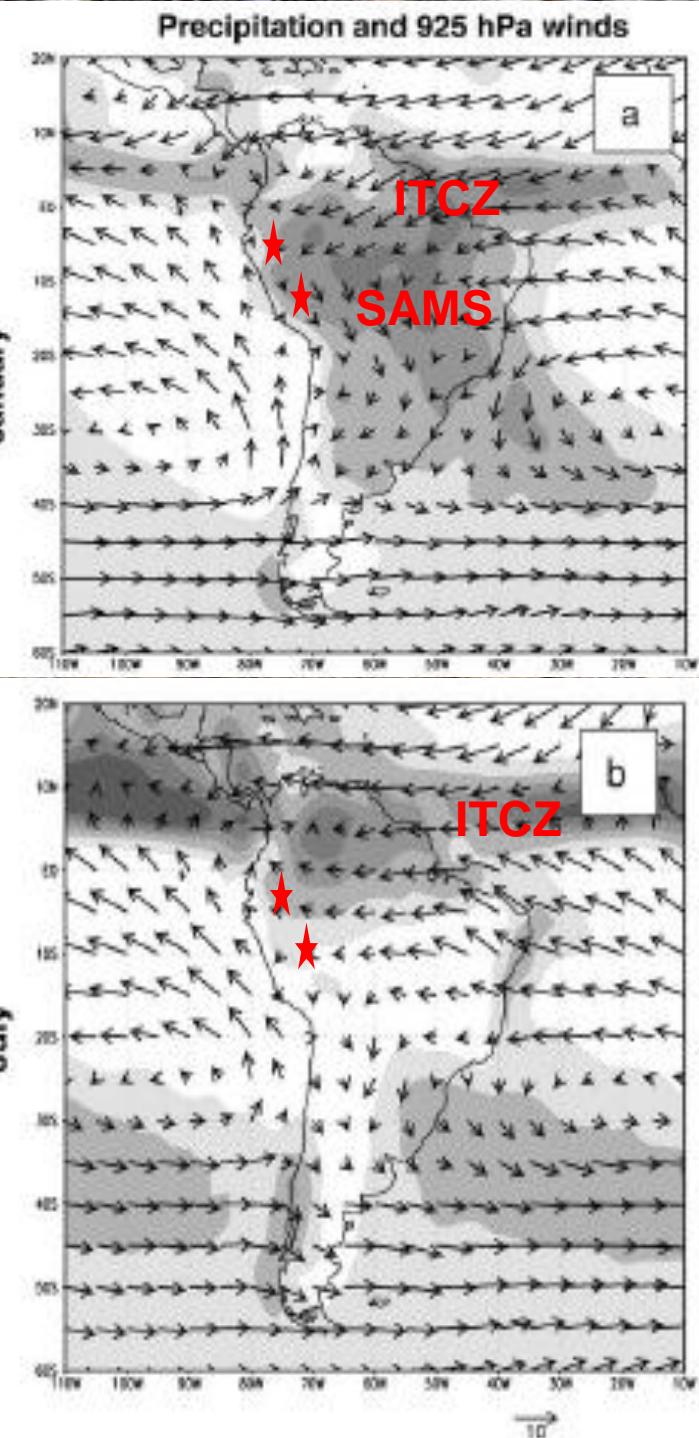
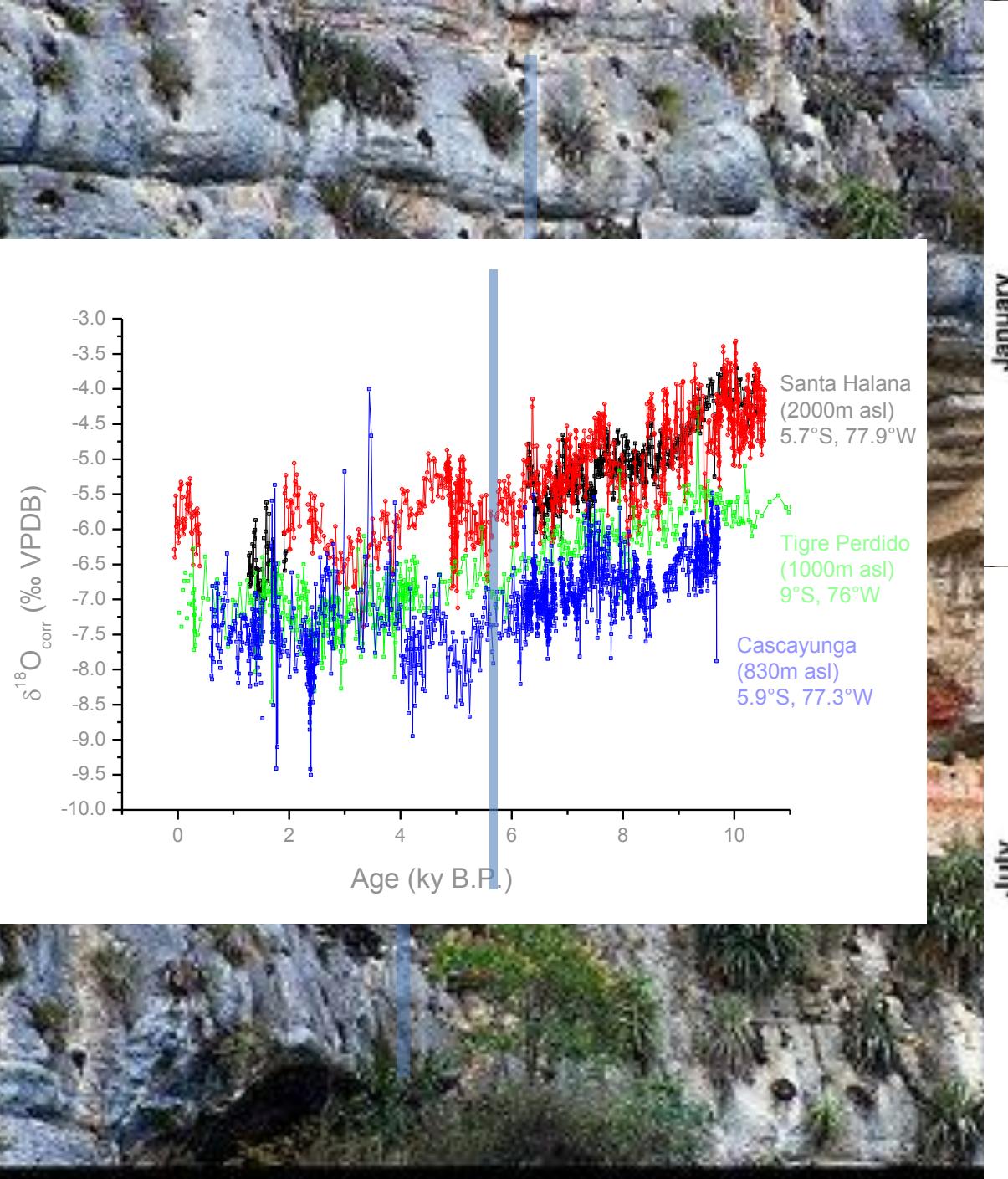
- Possible explanation:
- 1) Another Source?



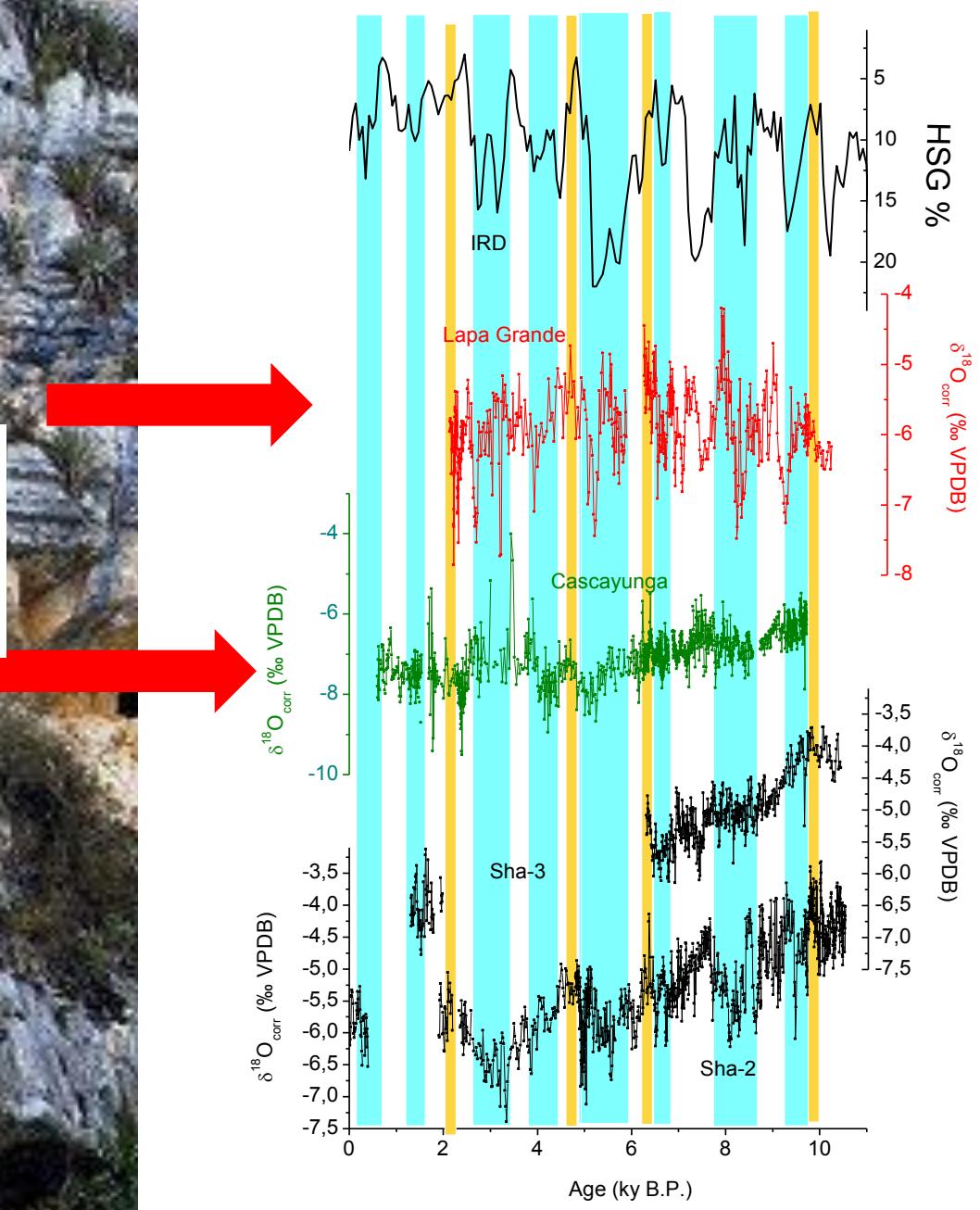
Pero Huagapo
A mayor altitud
Si es mas negativo

Sólo que está mas
Al sur

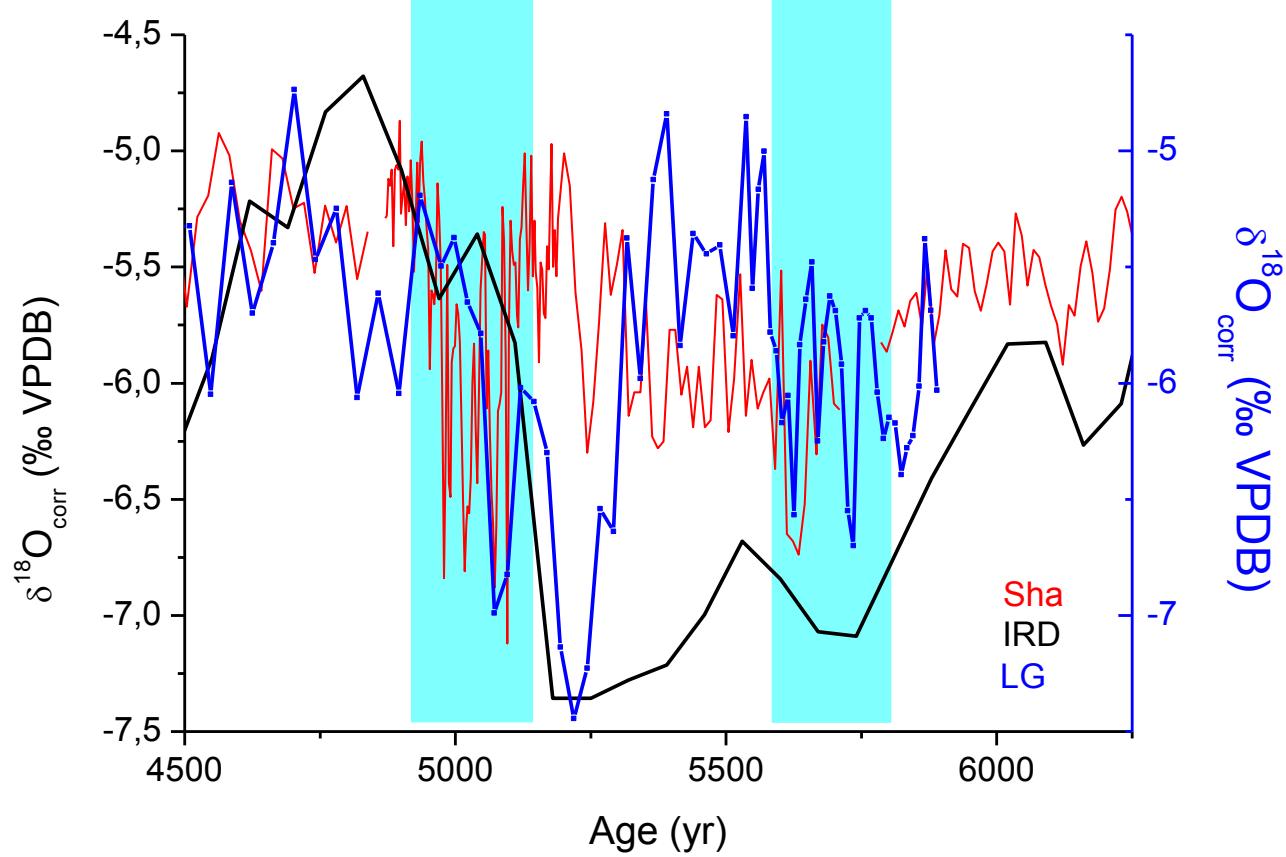




Almost do
not track
insolation
trend



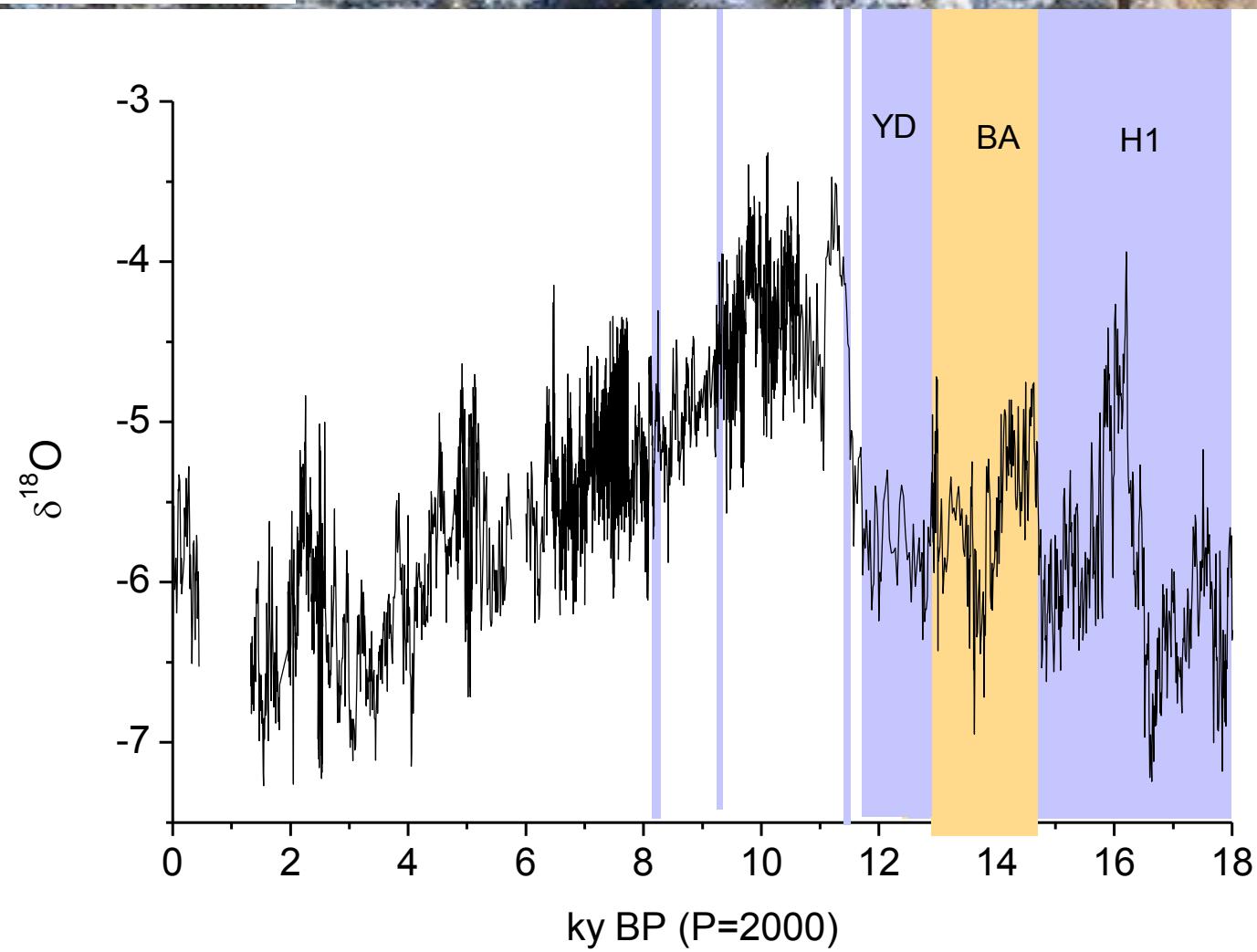
5 kyr BP

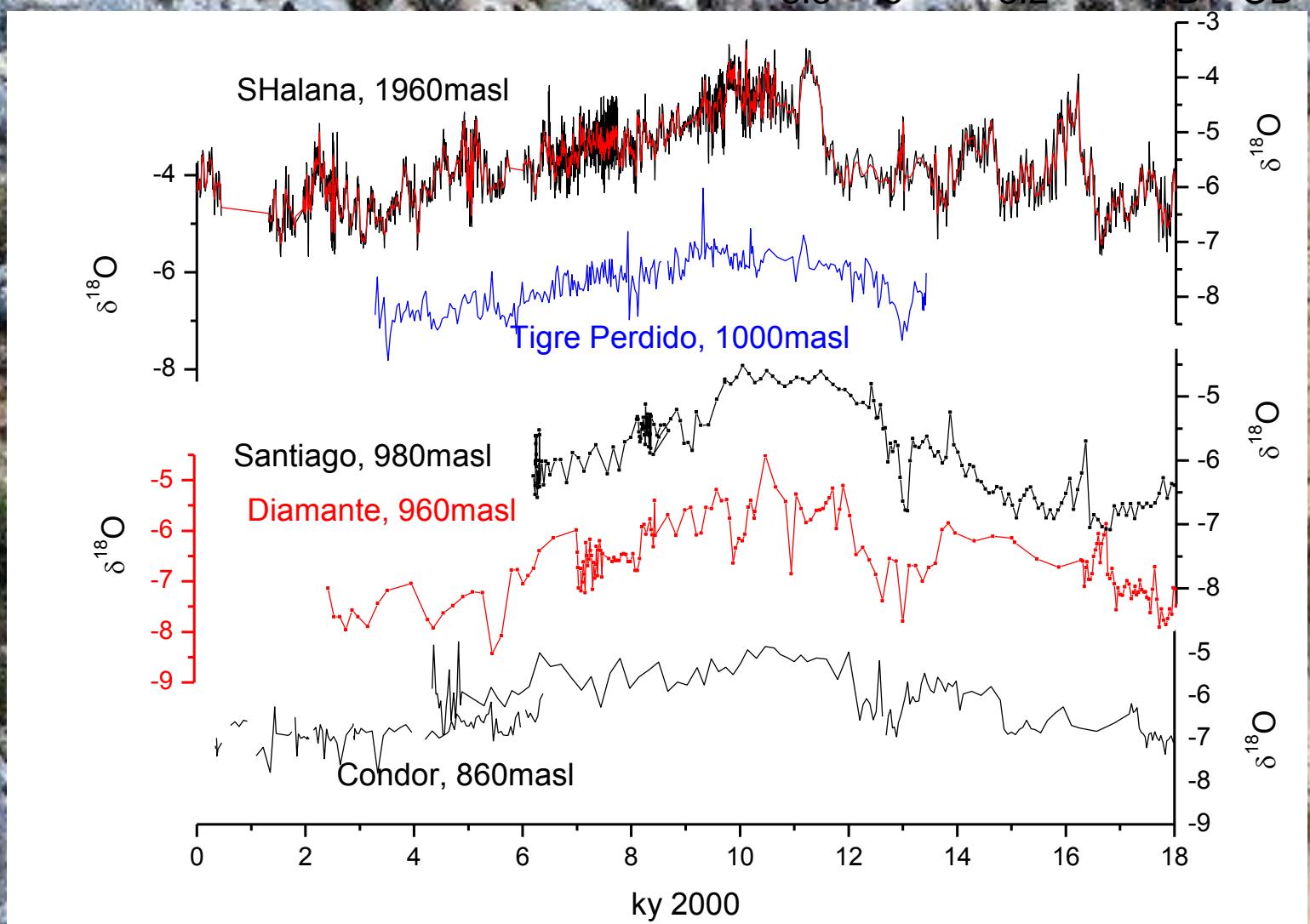


YD (Younger Dryas)

BA (Bolling Allerod Oscillation)

H1 (Heinrich event 1)





Preliminar Conclusions

- SAMS is not the only system acting on our site. Apparently more direct response to ITCZ intensity changes.
- In which degree SAMS and ITCZ moisture affects our signal?
- Periods of low and high HSG% concentration in the North Atlantic match well with our record.
- A more abrupt end of Bond event 4? Or several changes at the end of this event?
- Bond events are more intense after 5 ky BP maybe a coupling between insolation and events.
- Millenial events such as YD, H1 and BA are visible in Santa Halana
- Montane records from the northeastern Andes show a similar parttern between 18-0 ky BP (from 800-2000masl).



• Thank You!

