

## ***Interactive comment on “Holocene hydrological changes of the Rhone River (NW Mediterranean) as recorded in the marine mud belt” by M. A. Bassetti et al.***

**Sebastian Luening**

sebastian.luning@gmx.net

Received and published: 13 April 2016

This is an important long Holocene dataset which deserves publishing.

It would be good if the authors could add some explanations to Figure 4 about the significance of the various coloured zones (blue, white, light grey, dark grey). I have not found this in the legend.

Another observation concerns the Medieval Climate Anomaly (MCA). The Ca/Ti curve shows a major negative low peak 1200-600 yrs BP (800-1400 AD). Low Ca/Ti values are interpreted as high precipitation, i.e. a wet phase. The MCA therefore was wet, which matches with the authors' statement in line 449 of the manuscript. In figure 4,

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however, the Little Ice Age (LIA) is shown at 1300 AD. This is not the typical timing of the LIA which has its key phase 1400-1850 AD. Looking at this period, the Ca/Ti is high, therefore climate dry. The LIA therefore was dry. This finding could be added to the discussion part of the paper. I would also change the figure so that the LIA is positioned in the right place.

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Interactive comment on Clim. Past Discuss., doi:10.5194/cp-2016-8, 2016.

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