Archaeoseismological analysis of a Late Bronze Age site on the Alhama de Murcia Fault: La Tira del Lienzo (Totana)

We present an archaeoseismological study in La Tira del Lienzo (Totana, Spain, fig 1A). The settlement belongs to the Argar archaeological group (2200-1550 BC, Bronze Age) and is being excavated by a team from the Departament de Prehistòria at the Universitat Autònoma de Barcelona (Spain). The site is located on the Alhama de Murcia fault zone (AMF), responsible for the 11/05/2011 Lorca earthquake.

ARCHAEOLOGICAL DATA

The first human presence in the site is dated 2050 cal BC and the final abandonment of the village took place around 1600/1550 cal BC (Lull 1983; Lull et al., 2011). We focus on the second phase of occupation of the site (1800-1550 cal BC). The architectural features consist of rectangular rooms with walls made up of irregular stones blocks of decimetric size (figs 2 and 3, Lull et al., 2011b). Dry stone walls are directly set on the rocky ground of the site, constituted by the indurate calcareous soils developed on top of Middle Pleistocene alluvial fan deposits (Alonso Zarra and Silva, 1998; fig. 1B).

RESULTS AND DISCUSSION

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REFERENCES


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