

Balzac Museum

Paris - FRANCE

Acousto-sismic monitoring of site underneath Balzac's House

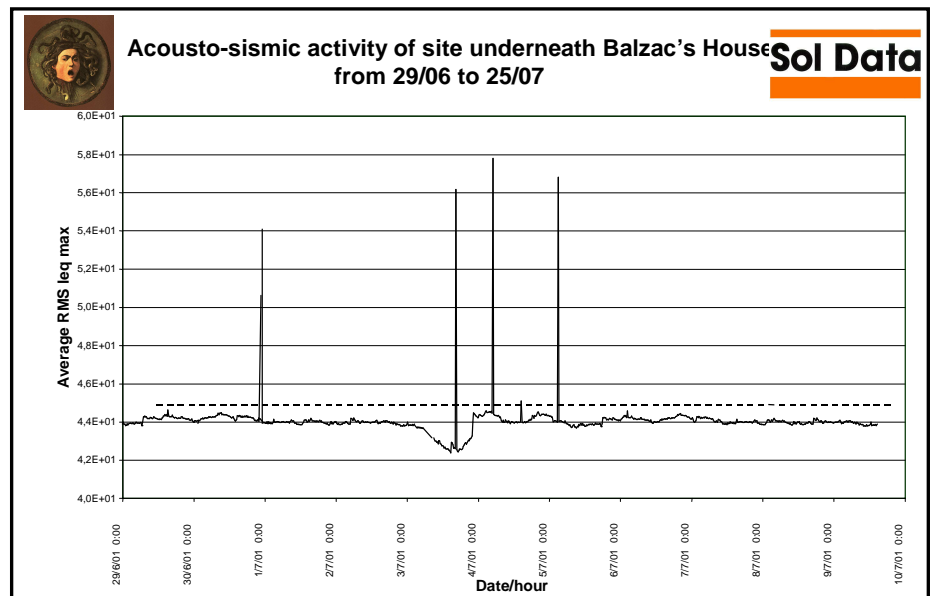
Following to a settlement in Balzac's house garden, in Paris, Sites inspection Engineers have launched a consolidation project of cavity injections.

In parallel, SolData has set a real-time monitoring of the weakened rooms underneath Balzac's House. This monitoring, handled by a Gorgone which was installed in the middle of the exploitation, has allowed the detection of falling blocks and confirmed the evolutionary behaviour of the events.

The Gorgone was linked to microphones and acousto-sismic captors that quantified the events while the located collapsing. Moreover the system allowed to listen again to the falling of blocks and thus draw the degradation's historic of the site.

The Gorgone measured noises of very short duration and high energy (~75 dB).

Looking over the results, the Paris City Hall has decided to start injections work in order to reassure the site.



OWNER :	PARIS CITY HALL
DATE OF WORK :	JULY 2001
DURATION :	2 MONTH
INSTRUMENTATION :	
<ul style="list-style-type: none"> • Installation of one GORGONE on the old calcareous exploitation underneath BALZAC museum. • Real time automatic monitoring. Recording of events. Listening of detected falling. • Elaboration of the evolutionary behaviour of the site activity. 	