

Jumps in the Data

From NeuroWiki

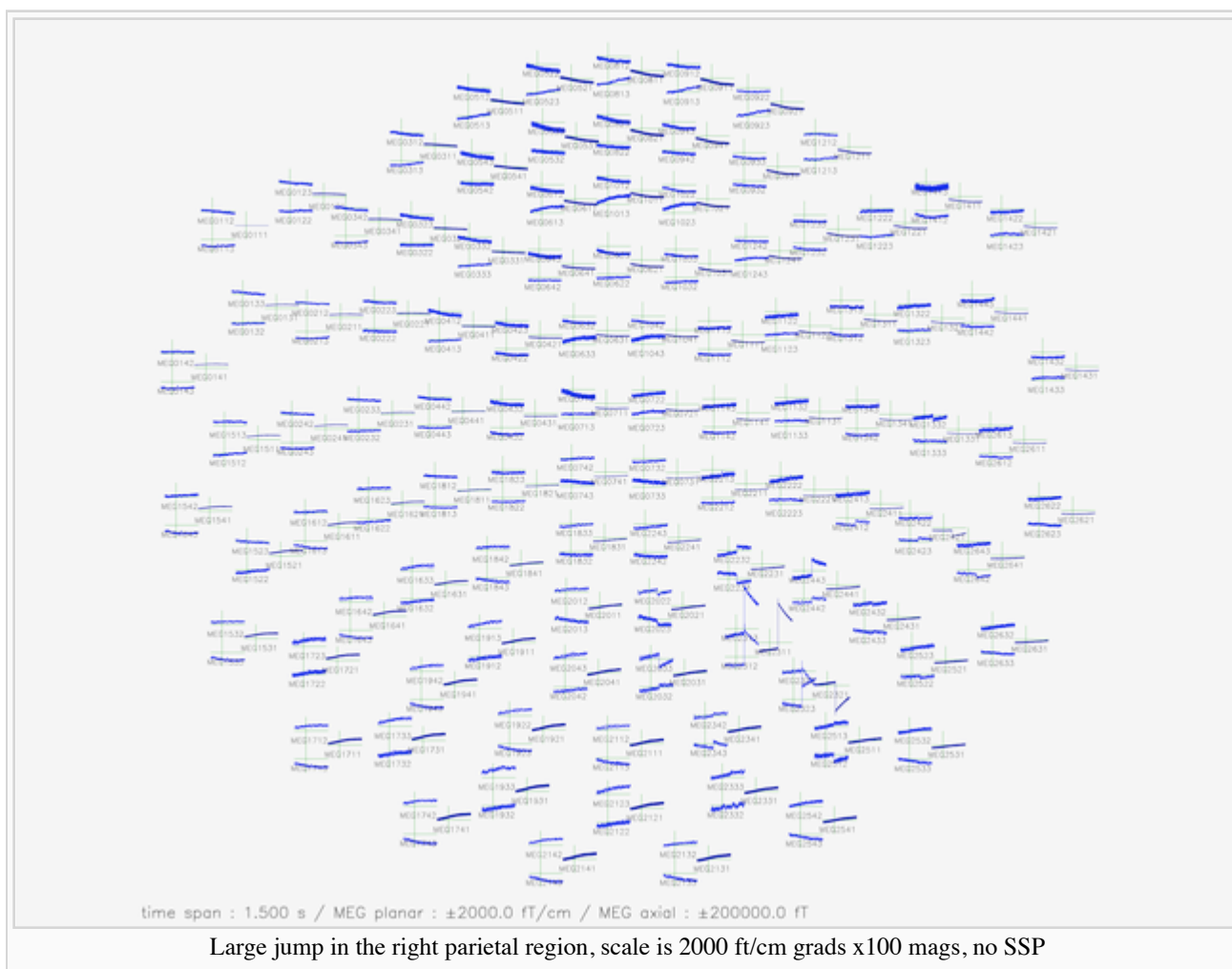
This discussion is about the large sudden jump in some of the data, that does not seem spatial, and occurs across several related channels at once.

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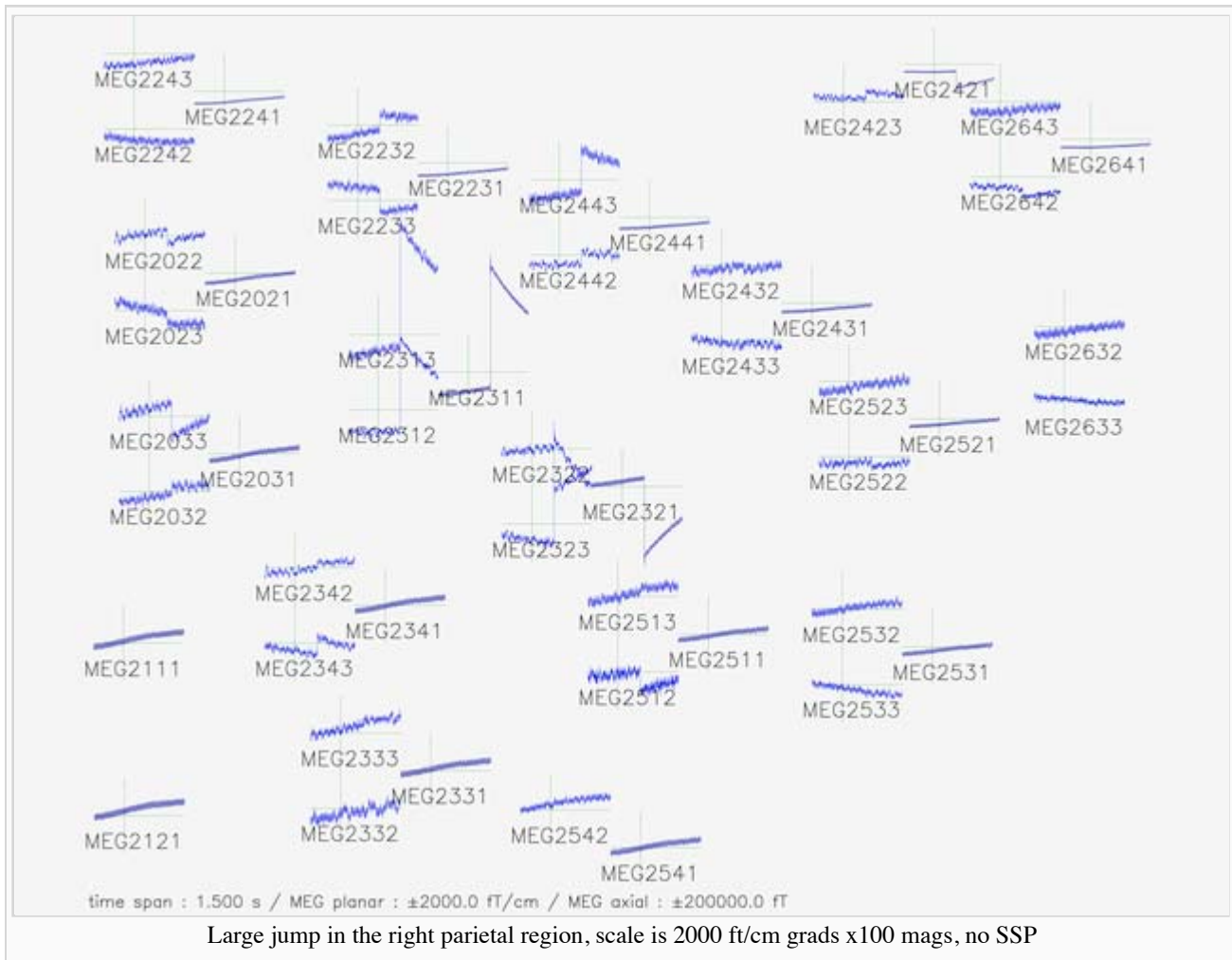
- 1 Example 10:38, 11 March 2009 (EDT)

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Below is an example acquired 11 March 2009 with patient present. At 445 seconds into the first record, we saw a large jump:



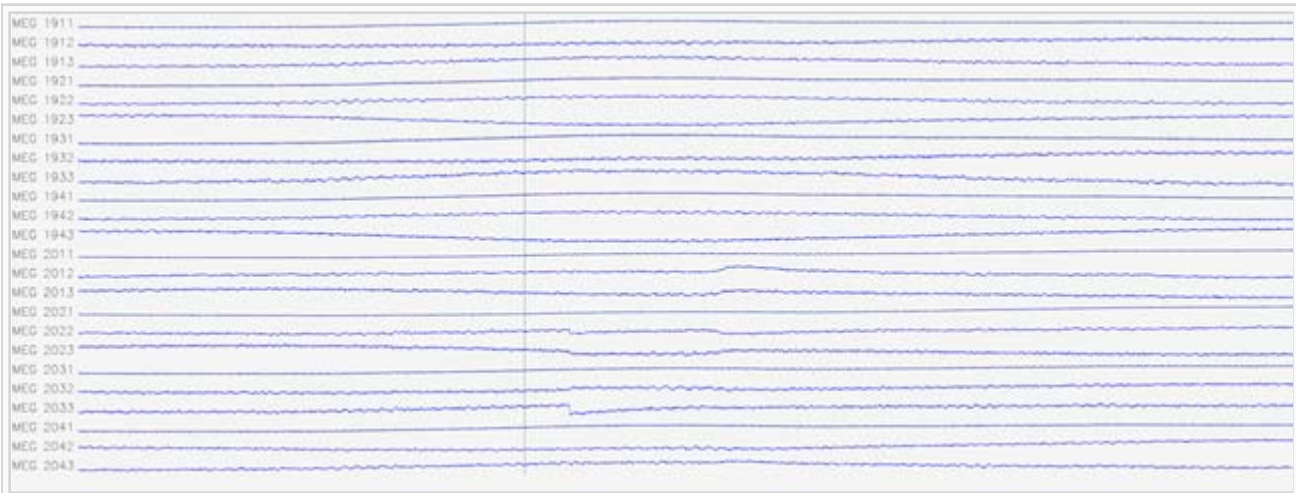
An enlargement of this region:



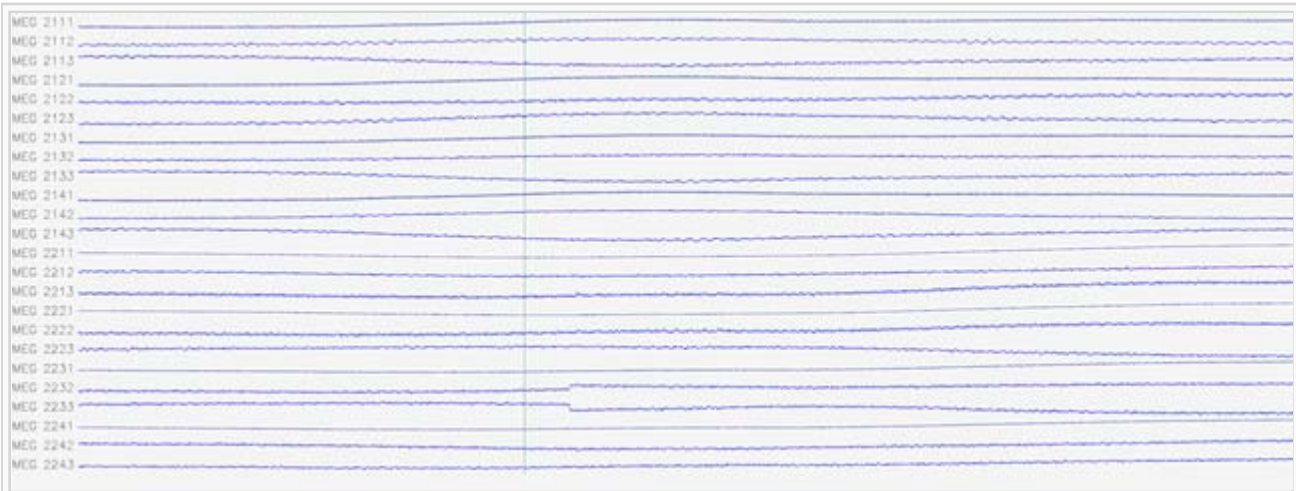
We note that in a few "chips" (two grads and one mag per chip), all three channels are affected. In a few other chips, only the grads are affected. In yet a few others, only one grad is affected. Thus, if a spatial event did trigger this jump, it does not appear spatially across the array, but rather selected sensors, albeit in the same region.

The sensors don't appear to need resetting, they just return to baseline.

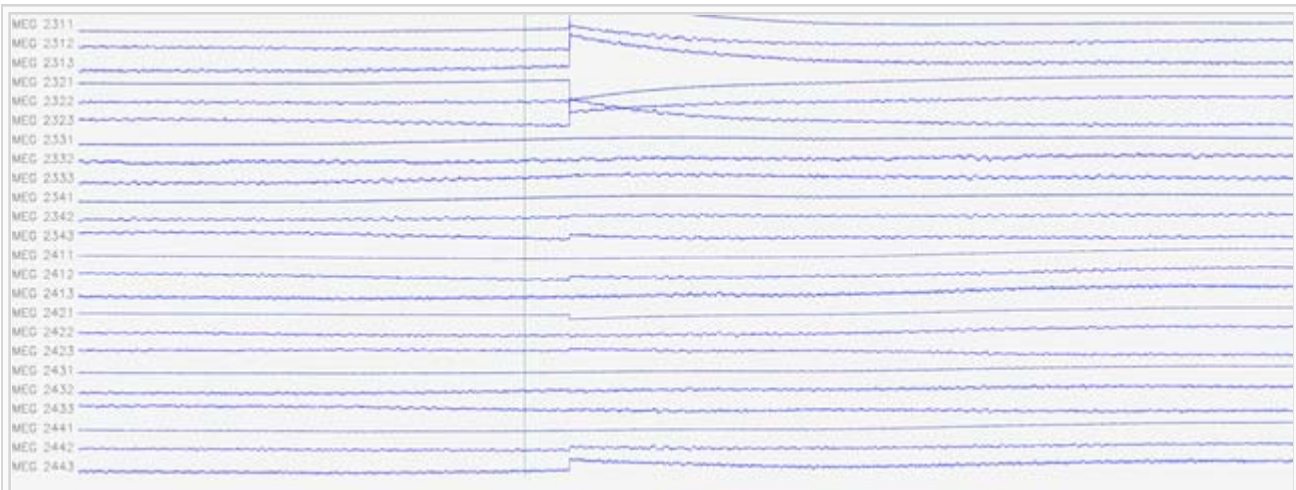
Here are the spatio-temporal plots of the amplifiers (four chips per amp) with jumps.



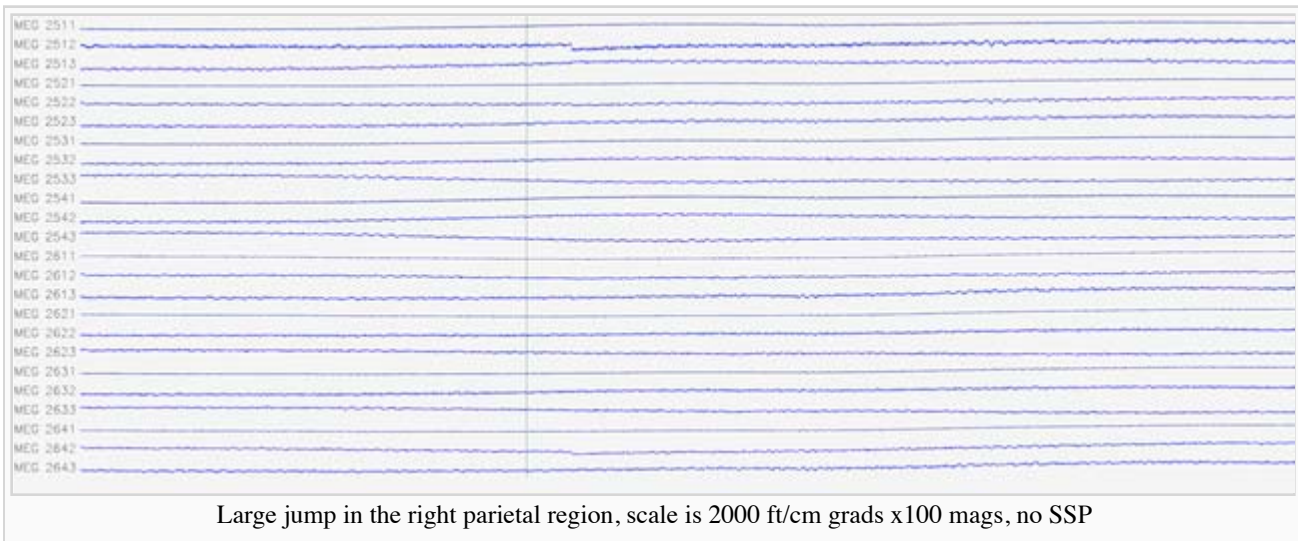
Large jump in the right parietal region, scale is 2000 ft/cm grads x100 mags, no SSP



Large jump in the right parietal region, scale is 2000 ft/cm grads x100 mags, no SSP



Large jump in the right parietal region, scale is 2000 ft/cm grads x100 mags, no SSP



One question posed by other experts is what would happen if we did not have the high pass on, would we stay at the new jump level?

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