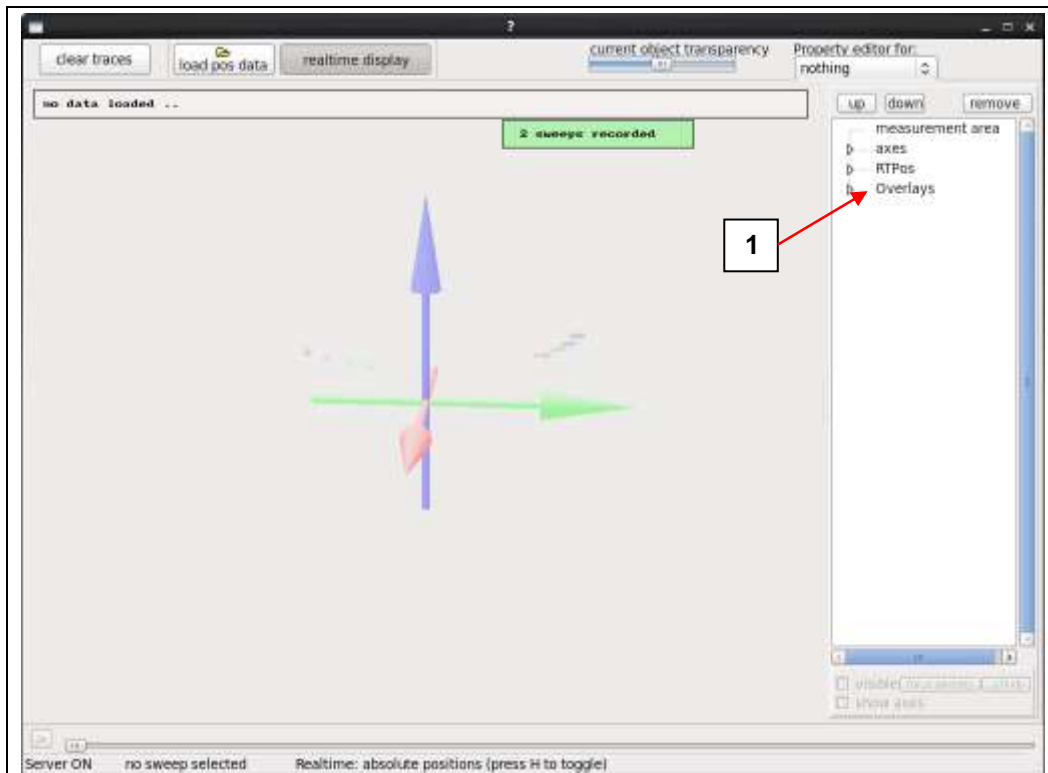


I. Content

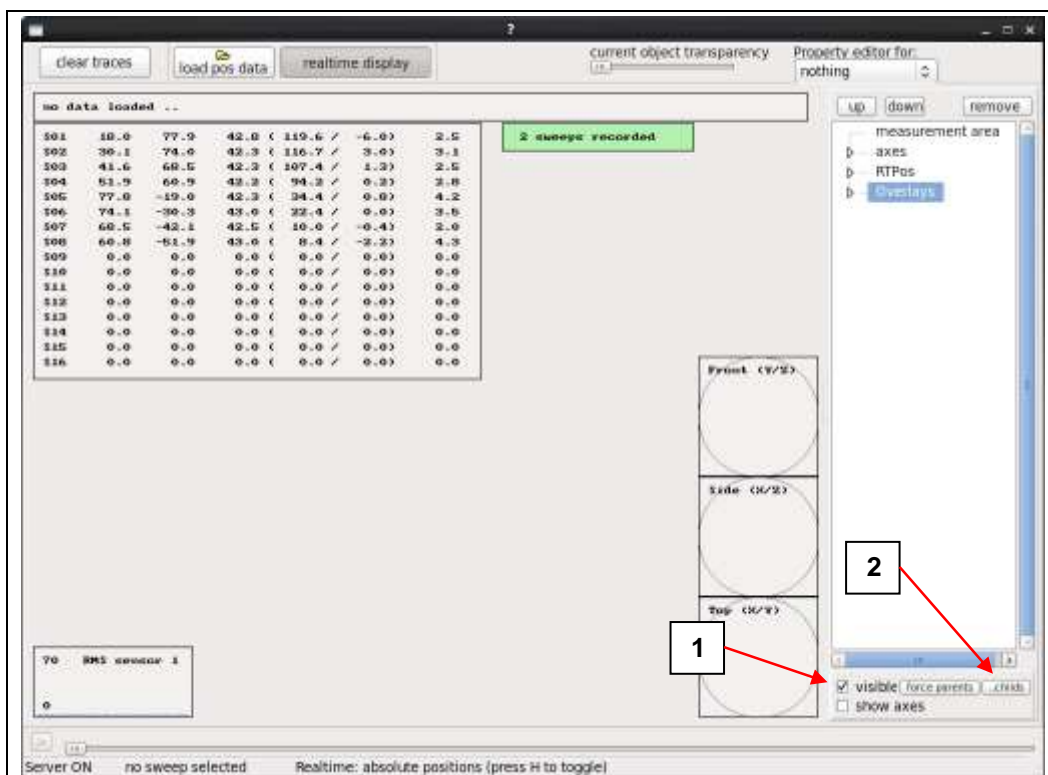
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Revision: 2	Approved
on: April 8 th , 2014	on:
by: Ulrich Szagun	by:

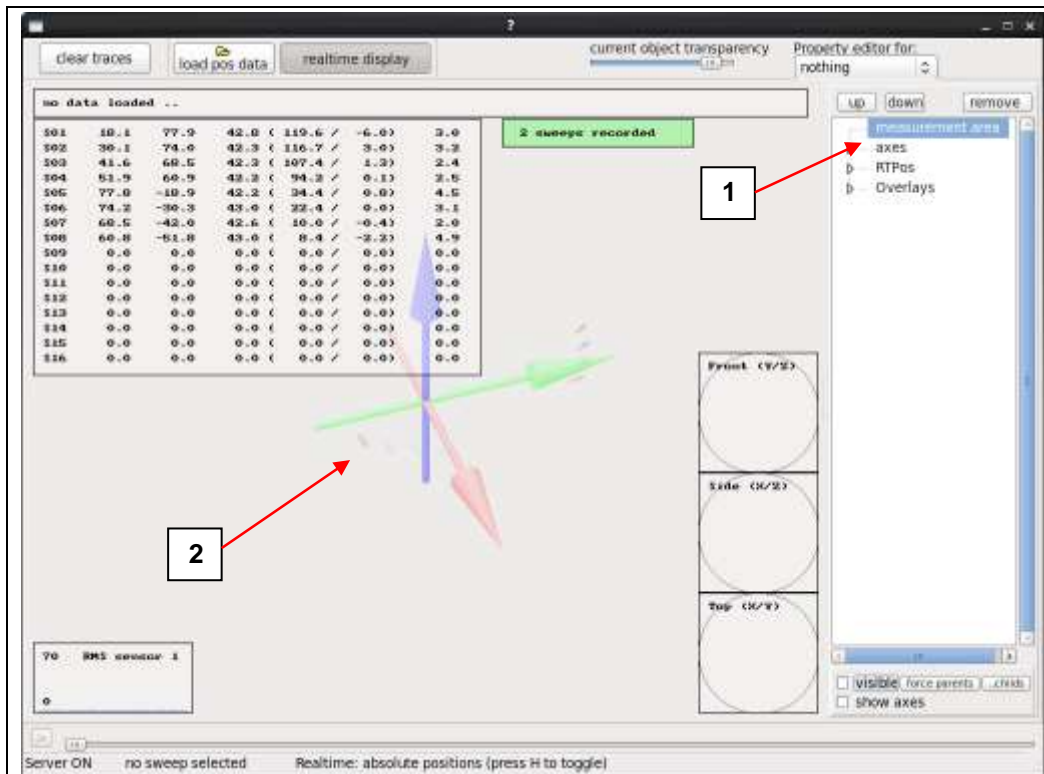
II. Switching overlays on and off (planes and data)



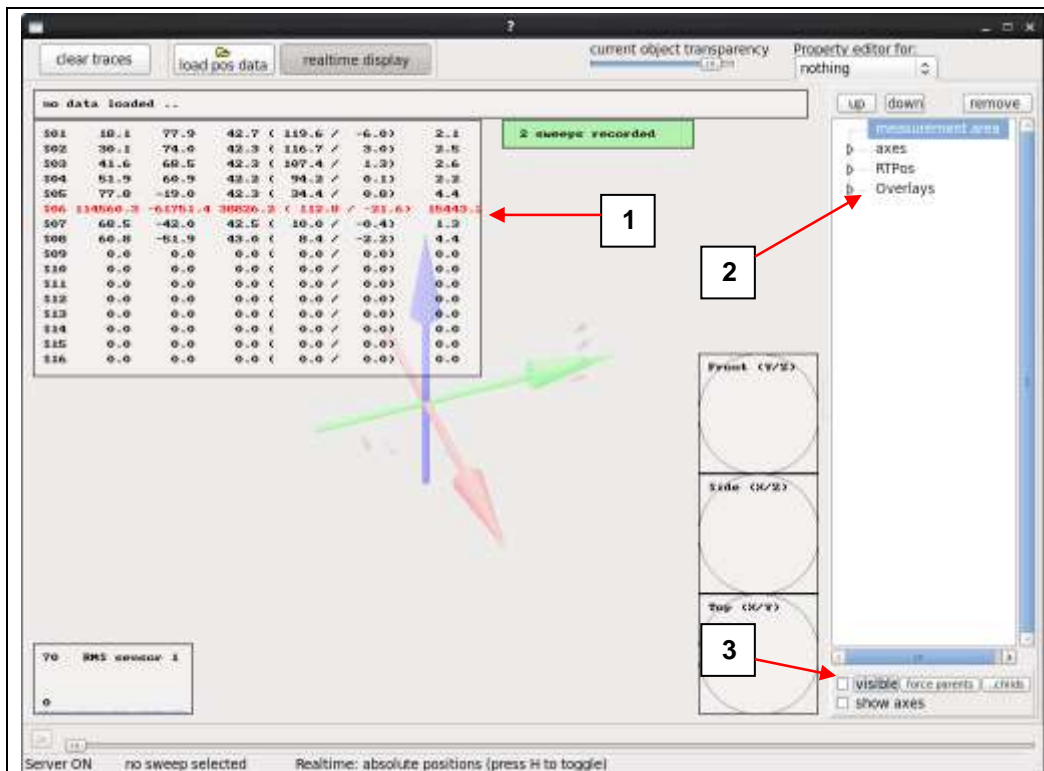
Step II-1: Click on the menu item *Overlays* (1).



Step II-2: Make sure the *visible*-checkbox (1) is checked and click the *childs*-button (2). The axes and sensors will disappear while the data- and plane-overlays will show.



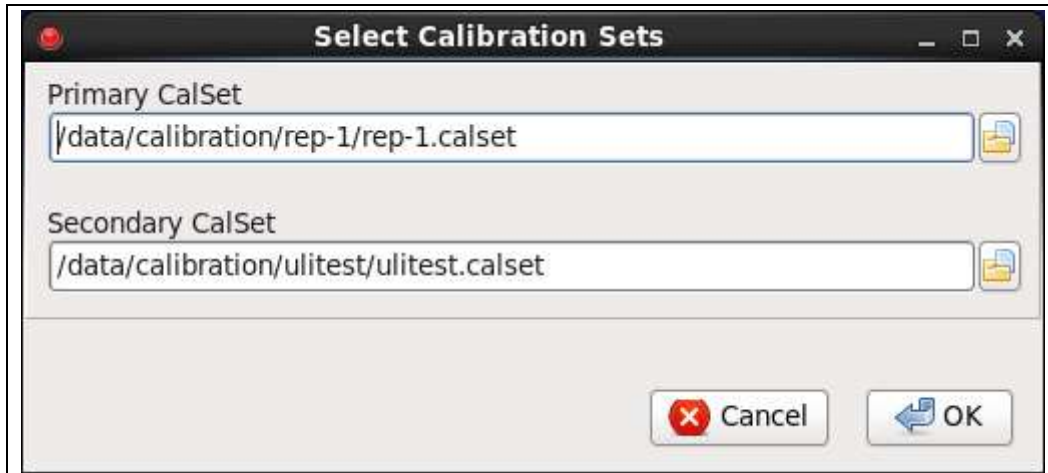
Step II-3: To reactivate the display of sensors and axes (2) click *measurement area* or *axes* (1).



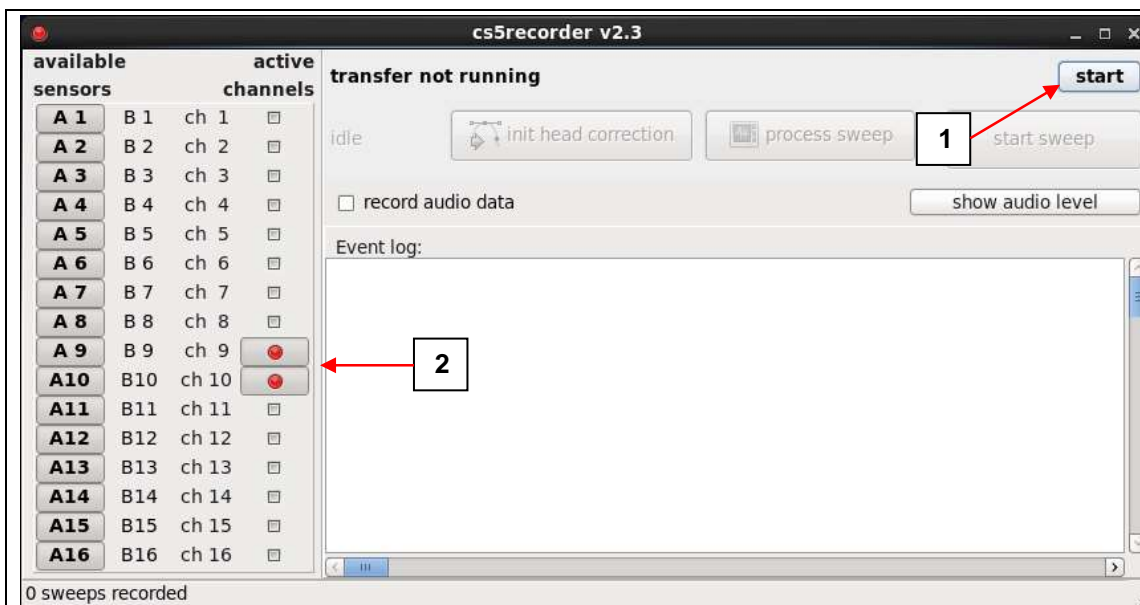
Step II-4: In the data section the values for x, y, z, phi, theta and the rms for each channel/sensor is displayed. Values with high RMS are marked red (1). To hide the overlays again select *Overlays* in the menu (2) and uncheck the *visible*-checkbox (3).

III. Adding contours to cs5view

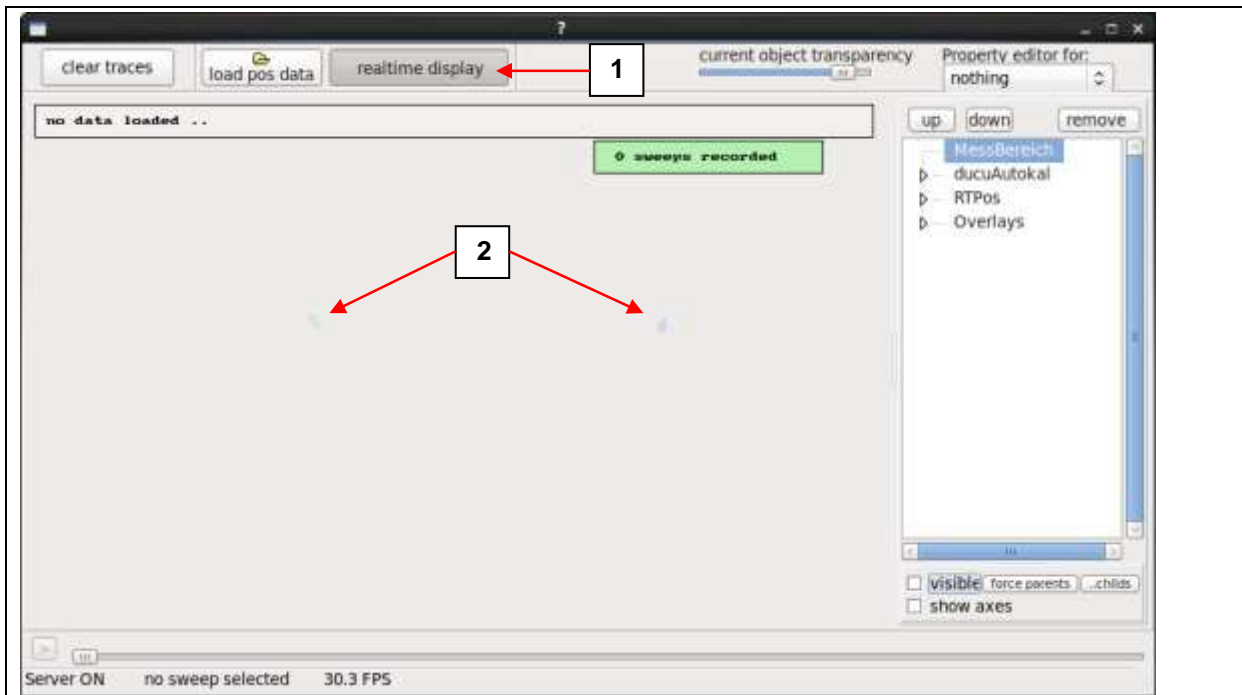
This tutorial assumes that a valid calibration set exists and that you start a new recording session. Follow the instructions step by step to add contours to your cs5view display for better visualization.



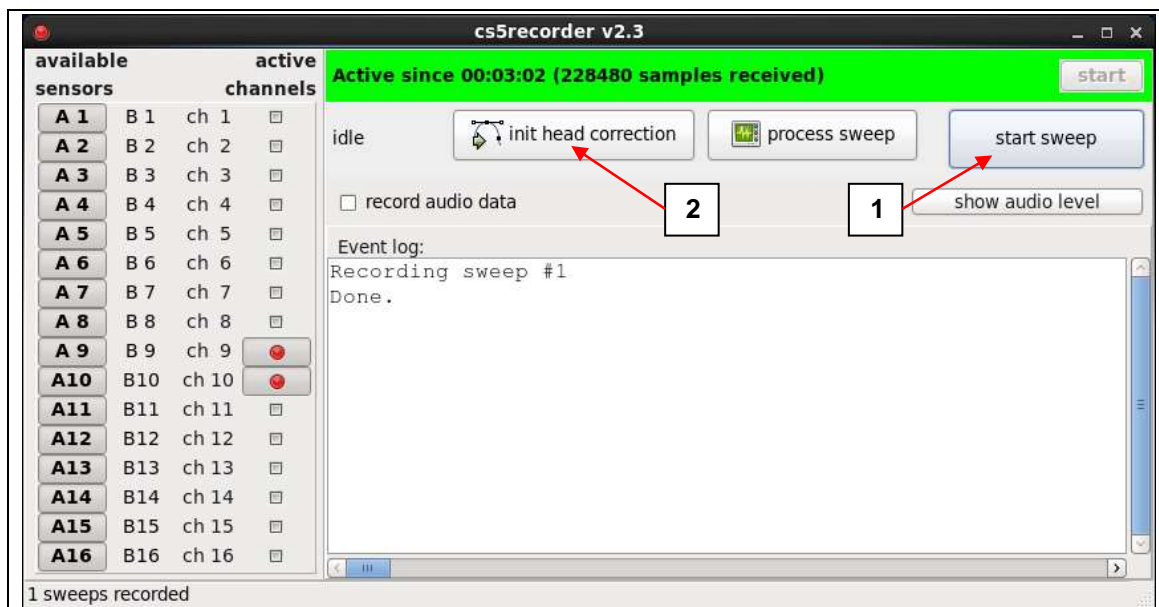
Step III-1: Open cs5recorder and select one or two valid calibration sets.



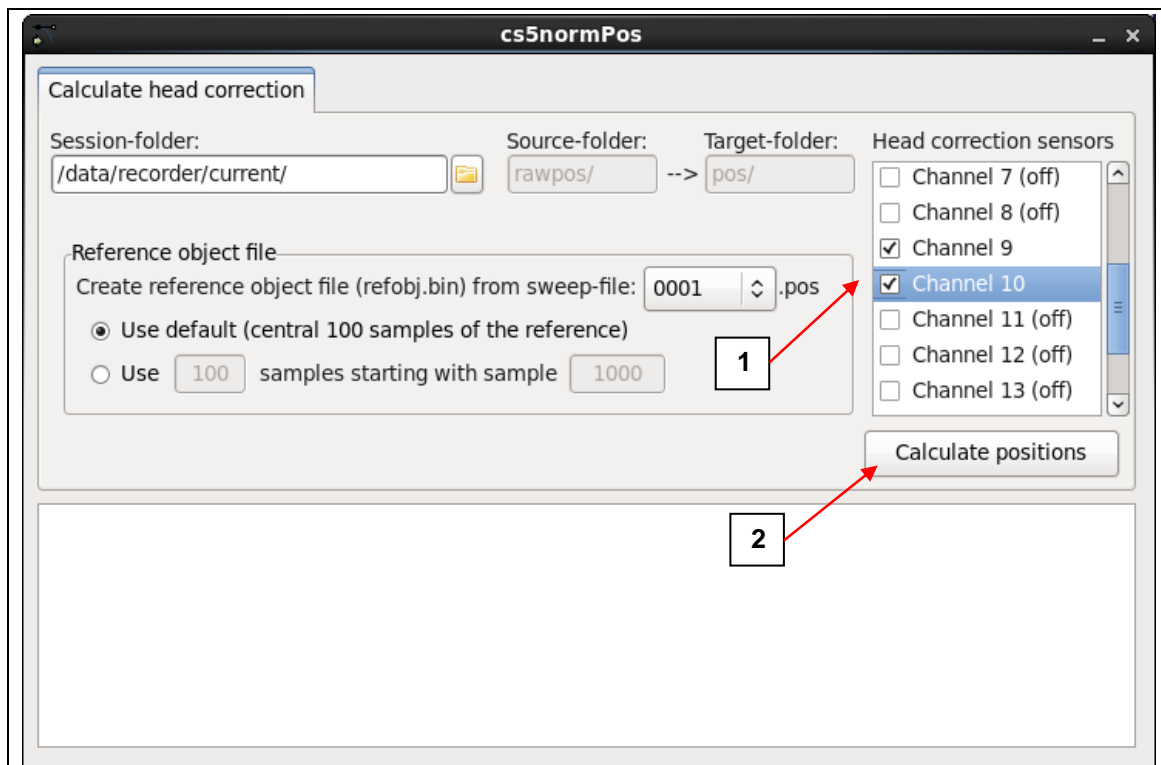
Step III-2: In cs5recorder start the data transfer (1) and select the channels of your reference sensors (2) for recording.



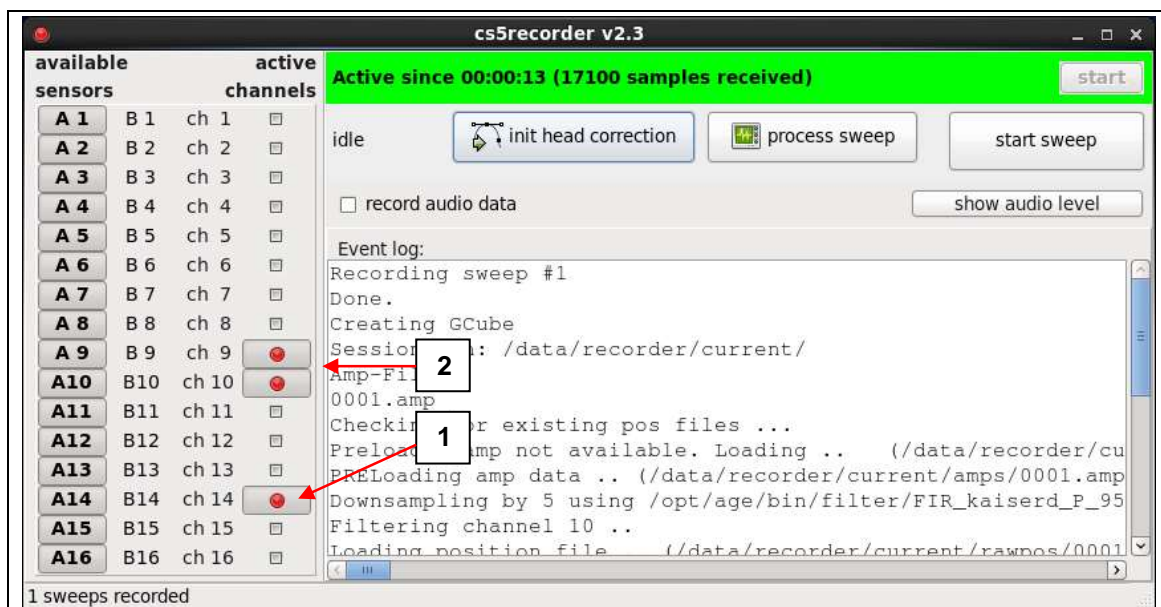
Step III-3: Open cs5view and click realtime display (1) to monitor the position of the reference sensors (2). Make sure that they are well aligned and within the measurement range. Instruct the proband to hold the head fairly steady for the initial sweep recording.



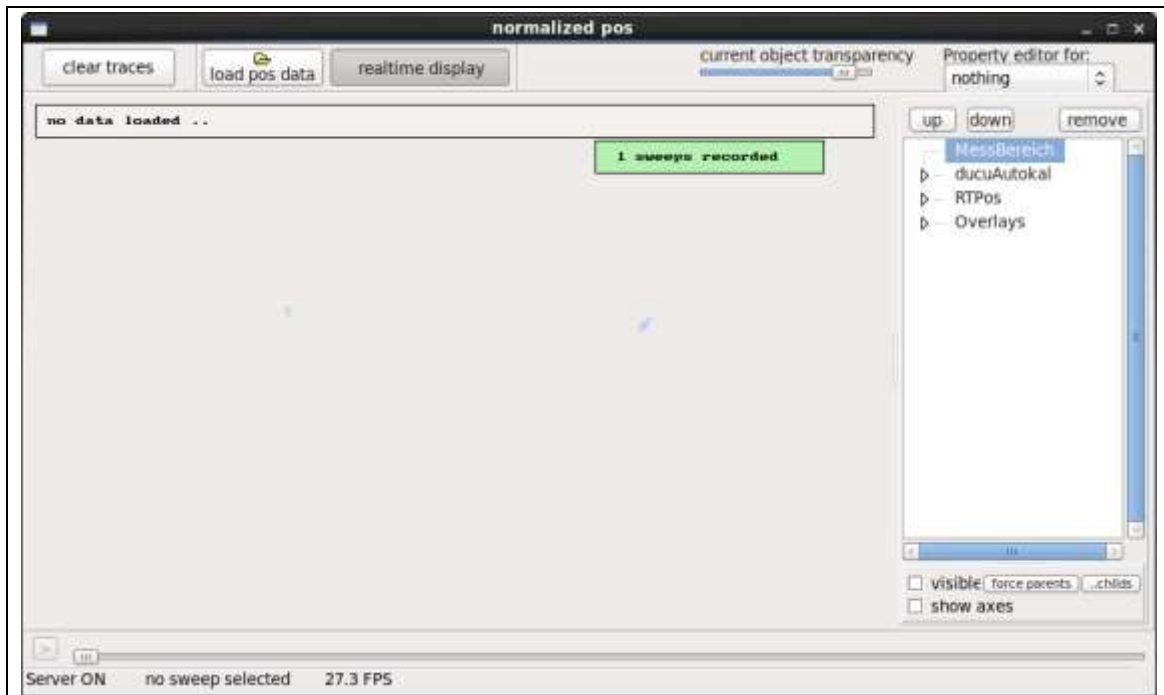
Step III-4: In cs5recorder start and stop (1) the sweep recording (a few seconds recorded will suffice). Subsequently click the *init head correction*-button (2). The positions will be calculated start and cs5normpos will start (Step III-5).



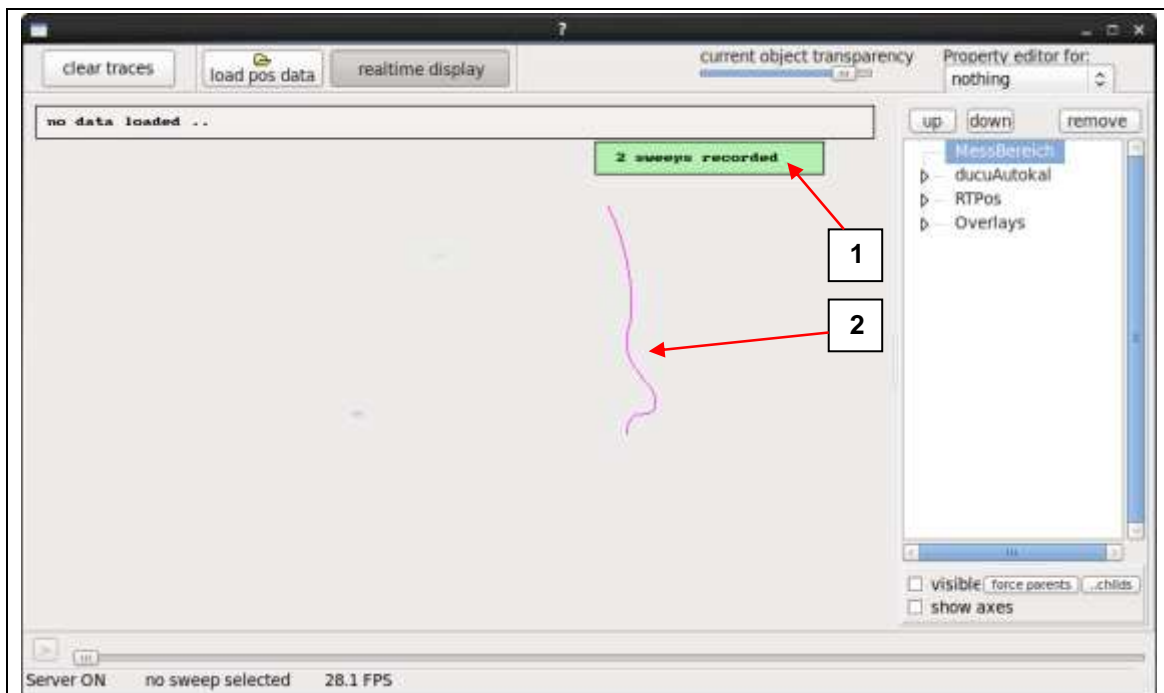
Step III-5: Select the channels of your reference sensors as head correction sensors (1) and click *calculate positions* (2). The cs5normPos-window will close when done.



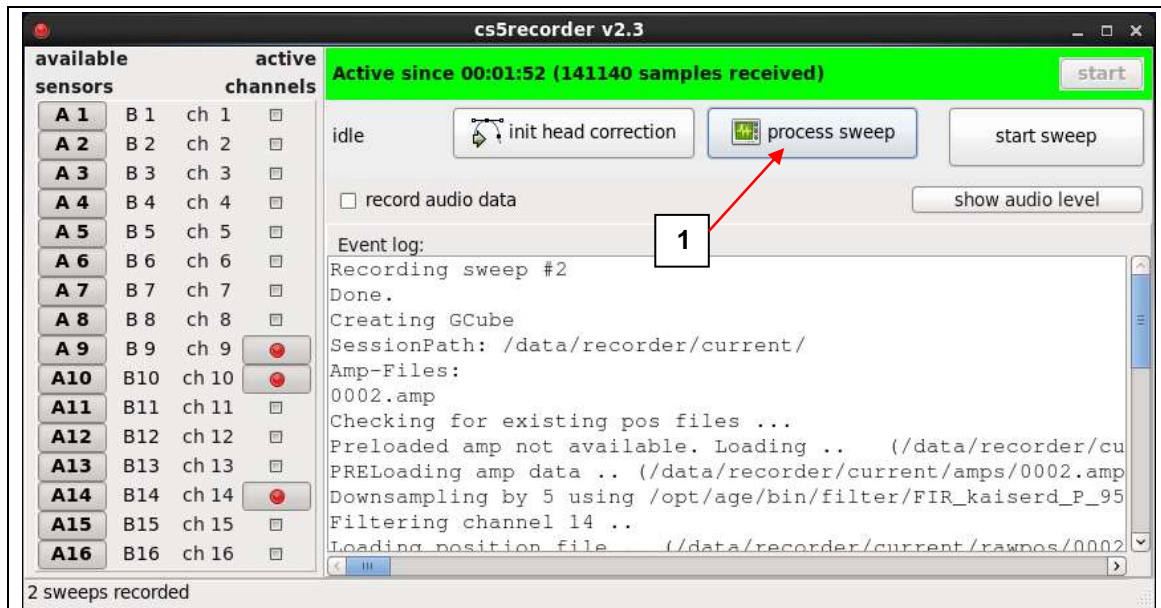
Step III-6: In cs5recorder select the channel you want to use for *drawing* the contour (1). Be sure to leave the reference sensors activated (2).



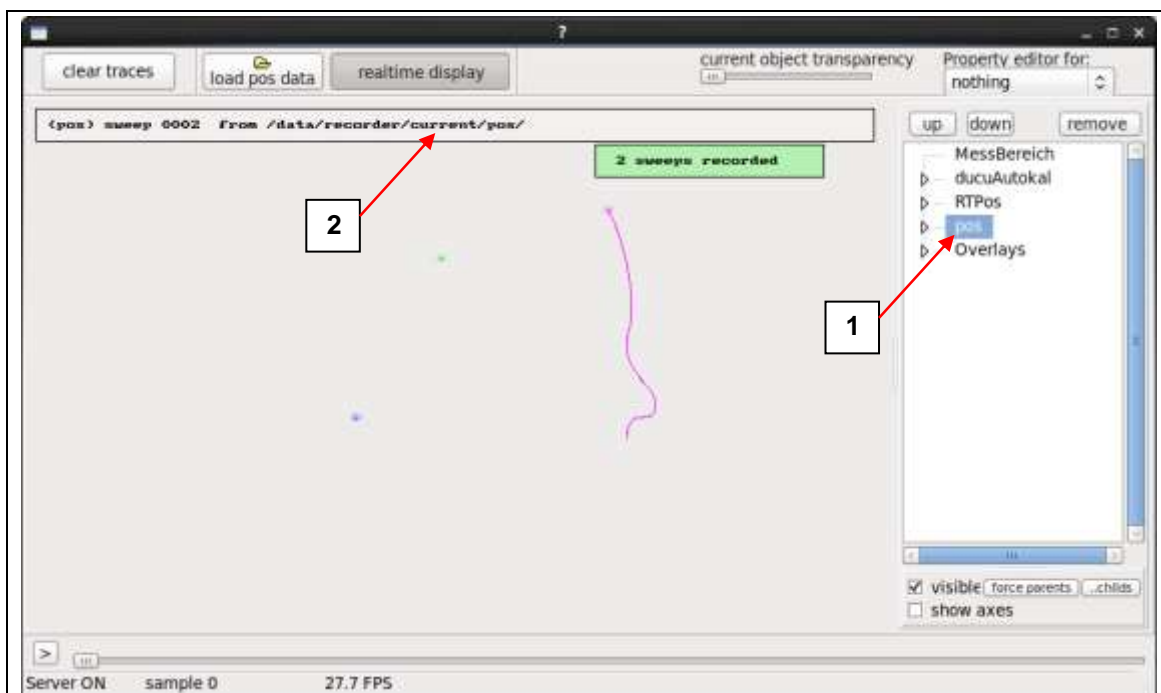
Step III-7: In cs5view type **H** on your keyboard to switch to normalized positions view. The reference sensors should now stay static on the screen even if the proband is moving its head.



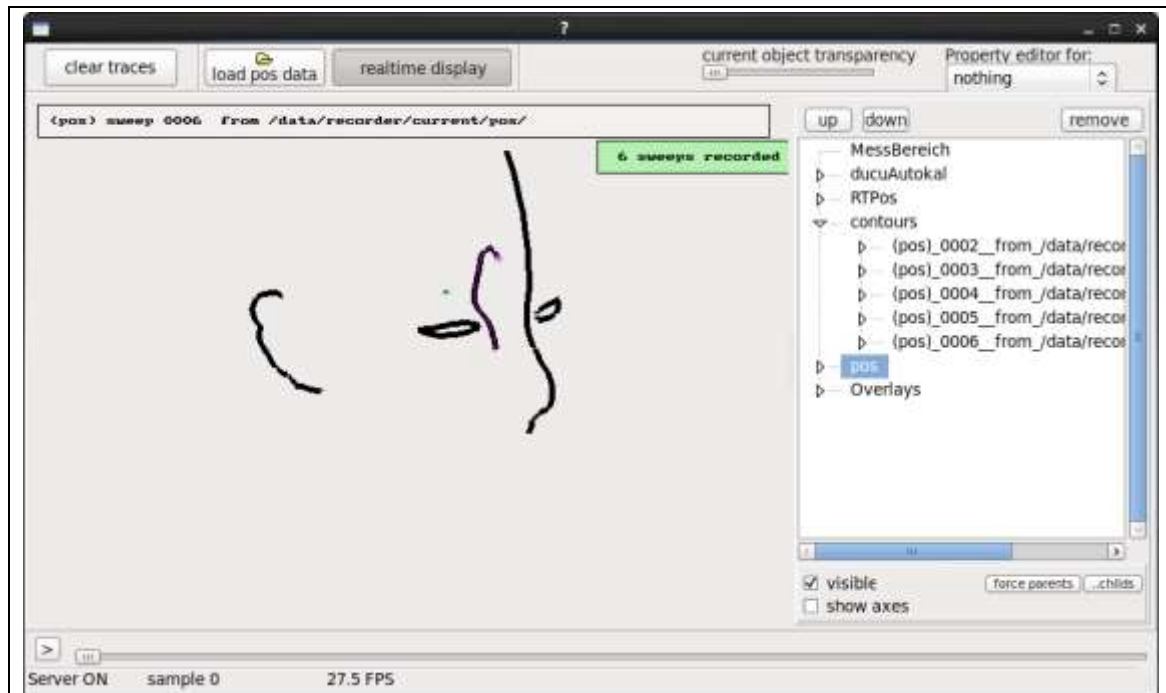
Step III-8: Start the recording by clicking (1) and trace the contour of the proband (2) with the sensor (in this example the sensor was moved from the forehead down to just below the nose). Stop the recording when finished (1).



Step III-9: Go back to cs5recorder and click *process sweep* (1). The raw position and the head corrected position data will be calculated.



Step III-10: In cs5view *pos* will appear as a new entry (1). Select *pos* (1) and click on the filename (2) to add the recorded sweep as a contour.



Step III-11: Repeat Step III-8 to Step III-10 until all desired contours are added to cs5view.



Step III-12: You can rename any entry on the right side by selecting it and pressing F2.

IV. Revision history - cs5view - HowTos

Date	Revision	Annotation
February 25 th , 2014	1	Initial documentation (Ulrich Szagun)
April 8 th , 2014	2	Added <i>Switching overlays...</i>