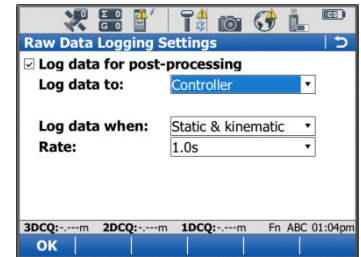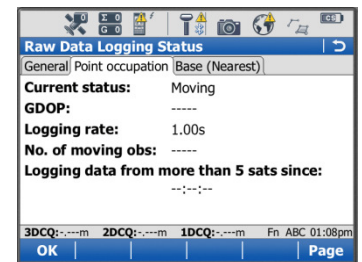# Configuring the Leica System Viva Rover to log kinematic data

This help sheet will assist with setting up the collection of kinematic data pickup in the SmartWorx Viva system.

1. Ensure that the GS10/GS15 has an SD card inserted into the slot beside battery terminal A. As a general rule of thumb, logging raw data at 5 second intervals over 1 hour will create around 0.3mb of Leica MDB data.

2. Start the GNSS receiver and CS controller, allow for the Bluetooth to connect, then from the main menu, select 'Instrument' -> 'GPS settings' -> 'Raw data logging'. Set the checkbox to log data for post processing, and set the fields to 'static & kinematic' and rate of '1.0s'. Press OK to return to the main menu.

3. Select 'Go to Work' then '1. Survey' to begin the survey as per usual procedure

4. The raw data logging status can be checked by pressing the 'Star key' on the upper right hand side of the keyboard, then selecting 'Raw data logging status'. Here you can check the remaining memory; the number of observations, and importantly the amount of time that the rover has been logging 5 satellites (should be at least 5 minutes).

5. To finish the survey, exit back to the main menu then power down the instrument.

6. Remove the SD card and place inside a card reader or laptop SD drive. The 12-15 raw data files will appear in the DBX folder with the job name specified in the survey start screen. Select all of these files, then right click 'send to' a compressed zipped folder.

7. Right click on the created .zip file then 'send to' 'mail recipient' to automatically attach the raw data to an email.

For technical support, contact Chris Landvogt in the Vancouver office on 604 214 9453