



Fig. 1 - Equipment components on truck roof and in cabin (see text for explanation)

the GPS data. All data is merged into a single text file. See software instructions below for details.

CO2 analyzer box - this box is hidden in the canopy, it contains the gas analyzer for CO₂ and a programmable data logger (Campbell Scientific 21X) that measures the analog signals from the connected thermocouple and the analyzer and streams digital data to the laptop in the cabin. Note: There is no need to open the canopy or the logger box unless you would encounter problems (then see Section E).

Please handle all equipment carefully. It includes some expensive and sensitive parts and electronics.

B. INSTALLATION INSTRUCTIONS

B 1. Get keys - Make sure you get the truck keys, the laptop and the GPS on the day of your traverse.

You should pick-up the following items: (1) truck keys, (2) laptop, (3) GPS, (4) hard-copy of a mapbook. The mapbook and the GPS are typically inside the main compartment of the laptop case. There should be also a memory stick on the keychain.

B 2. Meet your team and organize material - For list of traverse teams see: <http://www.geog.ubc.ca/courses/geob401/traverse.html>. It is also helpful if

one of you brings a *cellphone* (for emergencies), a *notepad or field book*, a *pen*, and *cash, credit or debit card* in case you have to fuel up the truck (you would be reimbursed).

B 3. Get truck

B 4. Install laptop and GPS on truck - You can do this in the music building parkade or on the outdoor lot. Be aware that at night, UBC security might sometimes show up and ask for IDs. So carry your student IDs.

Carefully follow instructions in exactly the given order below. This installation will take about 10-20 minutes.

B 4.1. Install laptop - Place laptop firmly on the folded passenger seat. Connect the laptop power cable (black cable ② (see Fig. 4). Secure laptop. Do not start laptop yet.

B 4.2. Install and connect GPS - Connect the 4-pin GPS cable ③ and plug it into the back of the GPS (plug is below the rubber protector, see Fig. 3). Connect the GPS external antenna cable ④ carefully to GPS (see Fig. 4). Then, put the GPS into the corresponding dash mount (tilt it towards the back seats).