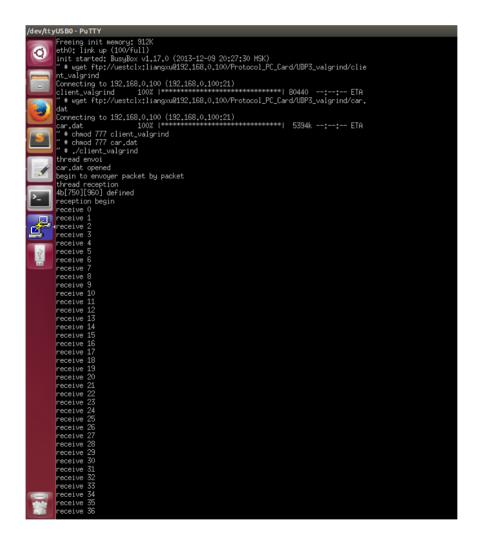
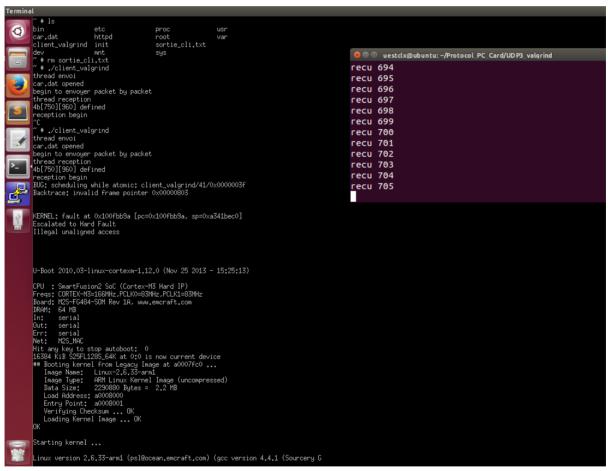
UDP3_valgrind

- main.cpp
 - change long to int
 - and IP address in reception and treatment.
- client.c
 - o change IP address
 - o add print phrases
 - add fclose(fs) and fclose(sortie2)
 - original code, stopped after the reception of the 682th packet (see screen shot), the first several values in the output file are correct. I assume that the values in the first packet will be correct, those who follows can not be garanteed.



- o QUESTIONS
- using 'while' for the reception, if there is a packet lost, the programm will never ends.
- In the attribute of the fuction recvfrom, why using (struct sockaddr
 *)&serverStorage, &addr_size? In the last version, we were using NULL

- In this reception procedure, why do we need a buffer of size [750][960]? As described in the programm we receive one frame and then write it in the file, then receive another frame, etc. In the meantime we can't do other things, not even receive the following packet, just waiting for the programm writing some values into a file.
- And on the other hand, what if the server send another packet while we
 were writing the previous one into a file? There will probably be a lost of
 packet.
- MODIFICATIONS
- I changed the order, first receiving all the values into the buffer, then write them into a file. But always system crush.
- It happened one time, after sending the 685th packet(the server received the 685th packet and then stopped); Another time is after sending the 705th packet (the server received the 705th packet and then stopped). see the screenshot.



 And another time stopped after the server received the 711th packet. It indicates that the client didn't finished his reception but stopped. There's nothing in the output file.

- Tried another way to compile the client.c, system crashed after the server received the 605th packet.
- I changed the amount of trame to be received to 700
- reboot the card and this time, receive and then write it into a file, it work, the programm received 700 packets and wrote them into the file.
- output values are correct (using the second way to compile the client.c)
- And then I change 700 back to 750, in either of the two compilation methode can it run to the end. I run it for three times, the system bocked once, auto-reboot once, and exit in the middle once...... it stopped around 703-705.

I will use valgrind tomorrow to see if there will be something strange. Before that, does anyone of you have some idea? If you want me to run some test to prouve something, don't hesitate:)