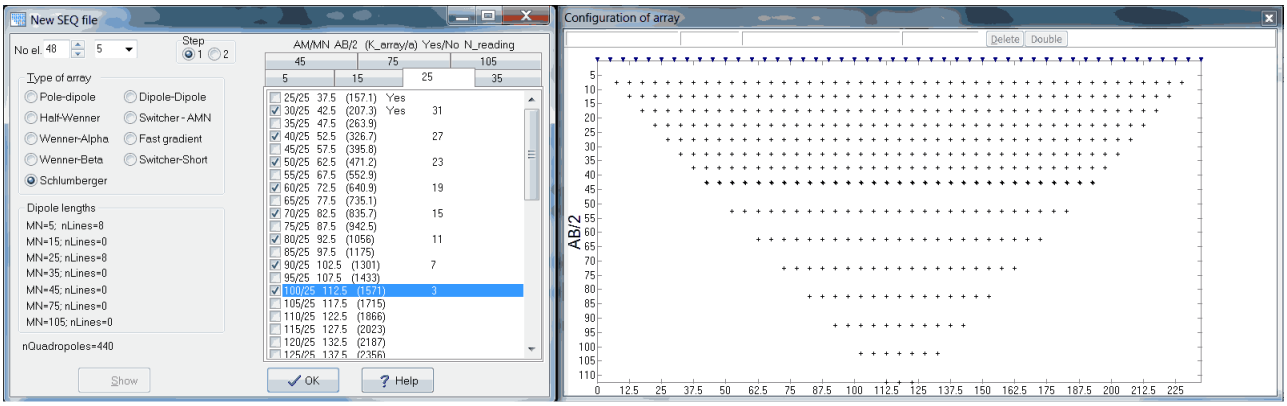
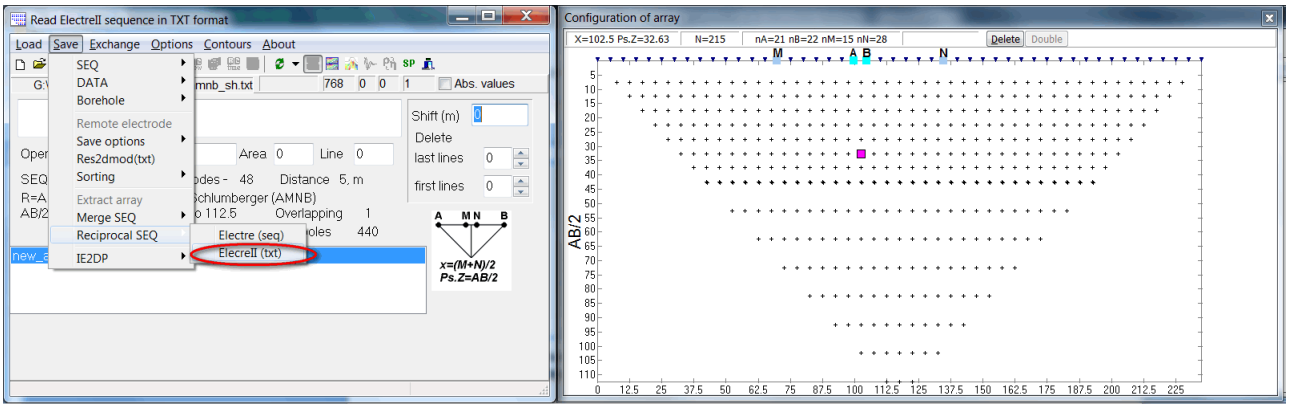
How to use x2ipi with Syscal-Pro (IRIS Instruments, France)

1.1. Creating sequence file for Syscal-Pro

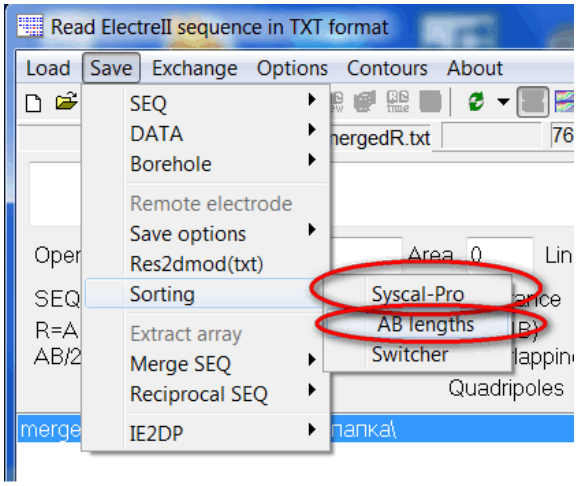
1. create a new sequence file for correct number of electrodes **Ошибка! Источник ссылки не найден.**] and save it ***Electrell*** txt format .



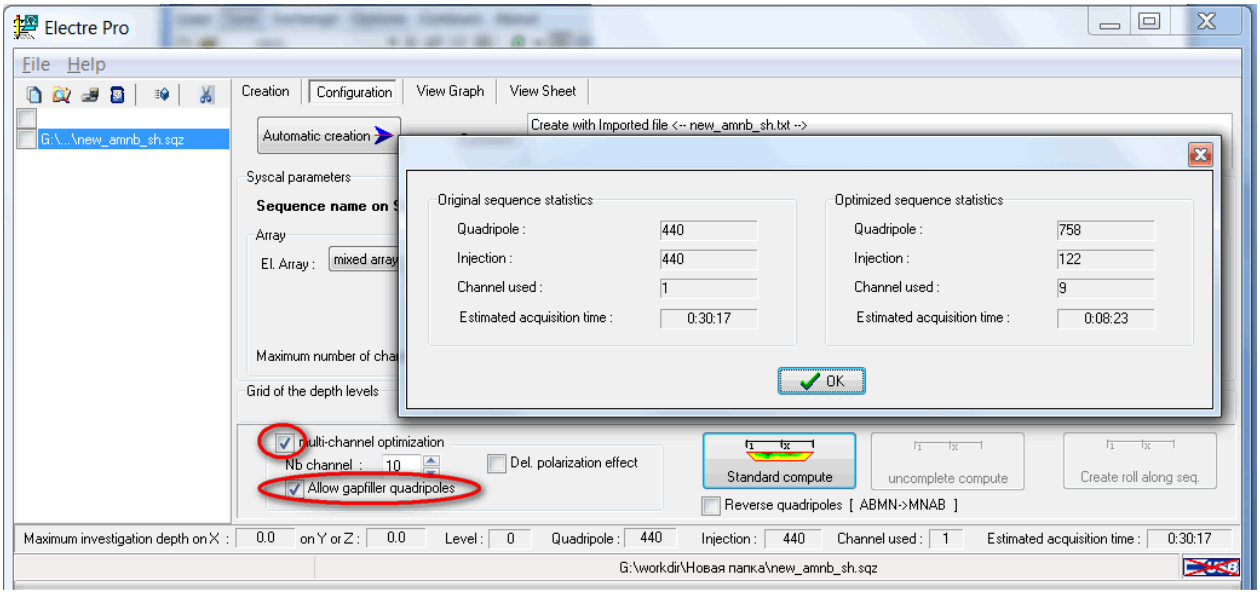
2. Optimize sequence for Syscal-Pro. Make reciprocal Schlumberger array **Menu-Save-Reciprocal SEQ-Electrell (txt)**. Open result TXT file.



2. Sorting quadripoles. **Menu-Save-Sorting-Syscal-Pro or AB lengths**.

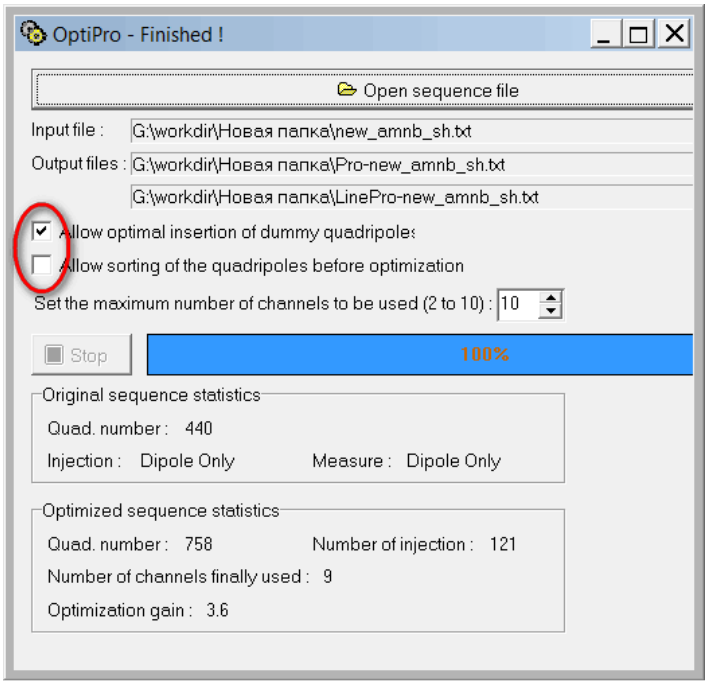


3. Now we need to prepare sequence file for Syscal-Pro and add gapfiller (dummy) quadripoles. We could use ***Electre Pro*** software.



We made optimized sequence file (SQZ), which should be upload in Syscal-Pro for measurements.

Also we could use ***OptiPro*** software from IRIS Instruments. We need uncheck Sorting checkbox, because we already sorted quadripoles. x2ipi uses different algorithm of sorting quadripoles.



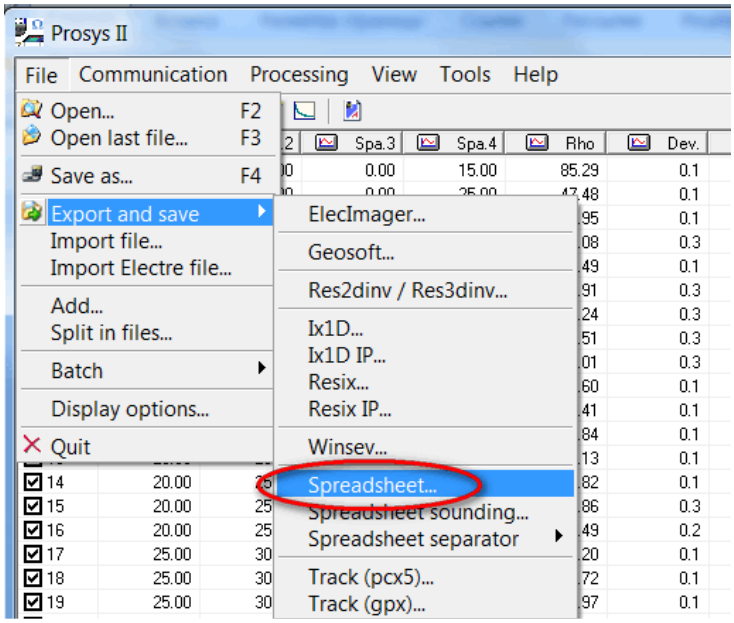
Opti-Pro creates TXT file with long file name. We recommend to rename and to short this file name because Syscal-Pro supports only 10 characters in file name.

Finally we have two sequence file: original TXT file and optimized TXT or SQZ file. We could use original file for Syscal-Pro data processing.

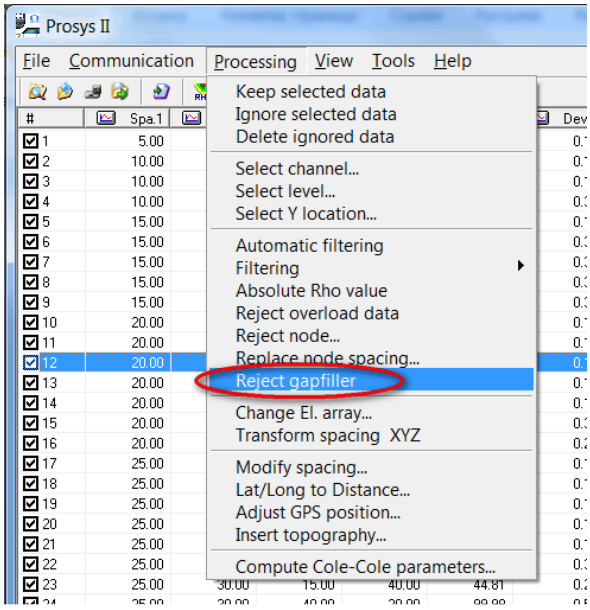
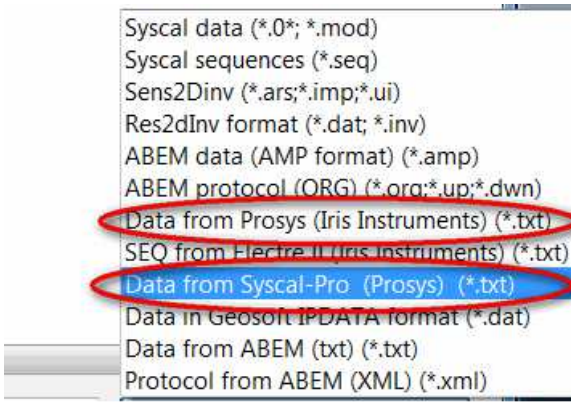
There are many other options to prepare sequence file.

1.2. Read field data from Syscal-Pro

Prosys II software can export field data in TXT format, which can be read ***by x2ipi*** software.



We have to remove gapfiller measurements before data processing. If we made optimization by ***Electre Pro*** software, then we could reject gapfiller by ***Prosys II*** before export spreadsheet.



If we made optimization by ***OptiPro*** software, then we could reject gapfiller by ***x2ipi*** software. There are two options to read data from ***Prosys II*** software. **Data from Syscal-Pro (Prosys)** option allows to reject gapfiller from TXT data file. We read the data file first and the *original* sequence file.