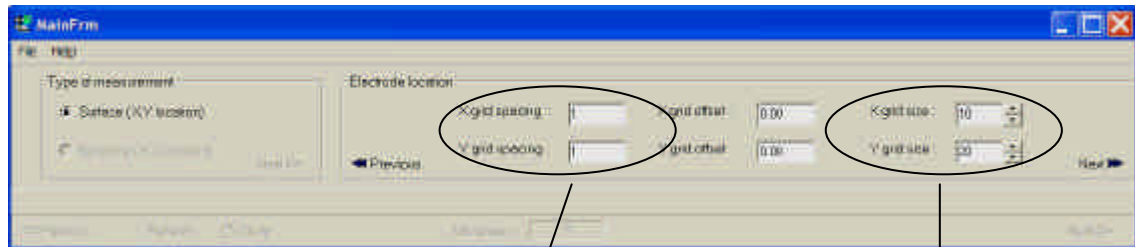
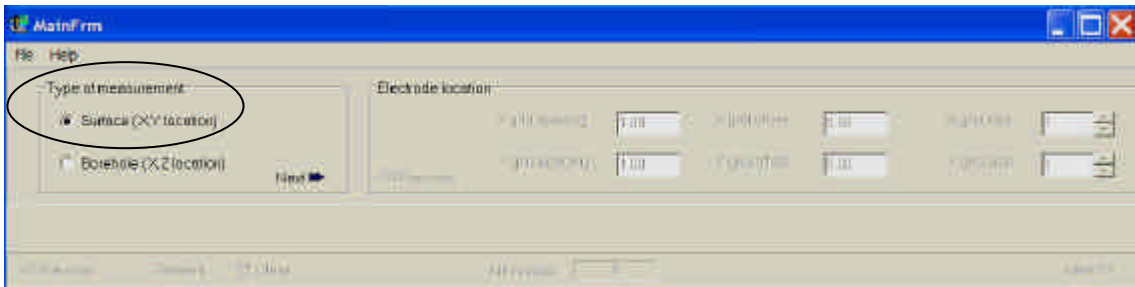




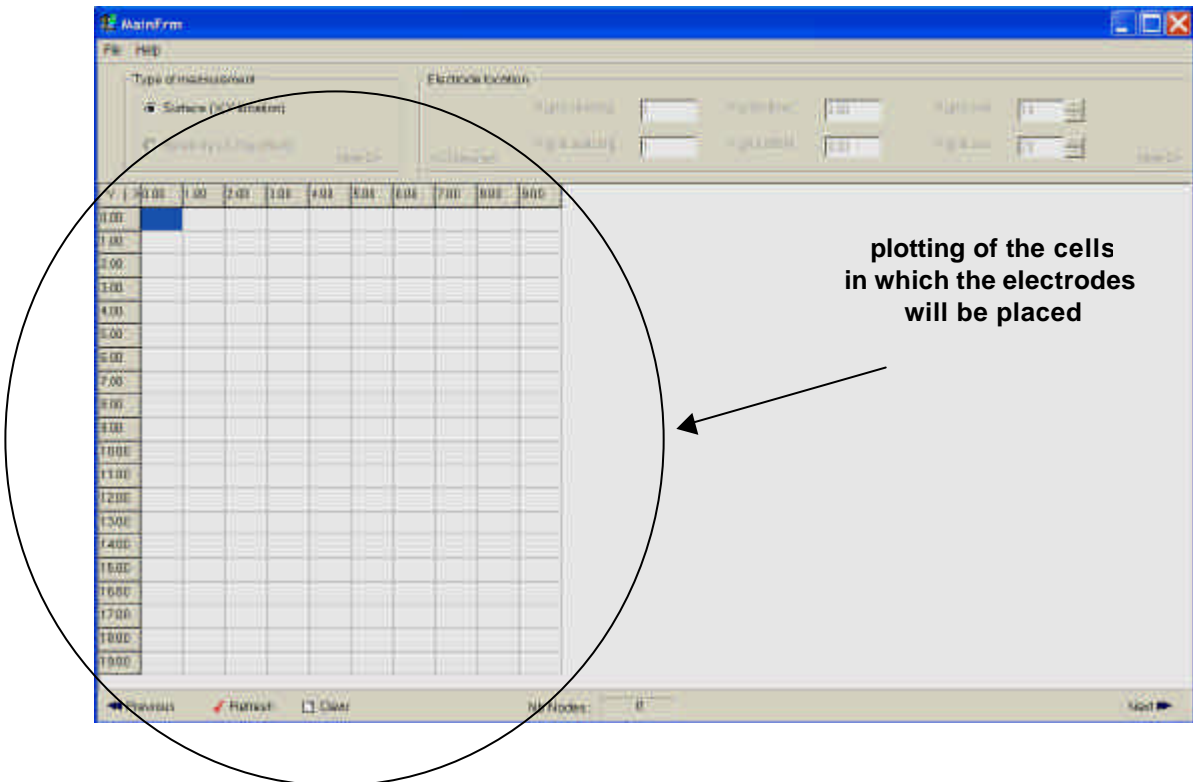
ELECTRE 3D SOFTWARE FOR DEFINING 3D ARRAYS AND SEQUENCES (preliminary guide)

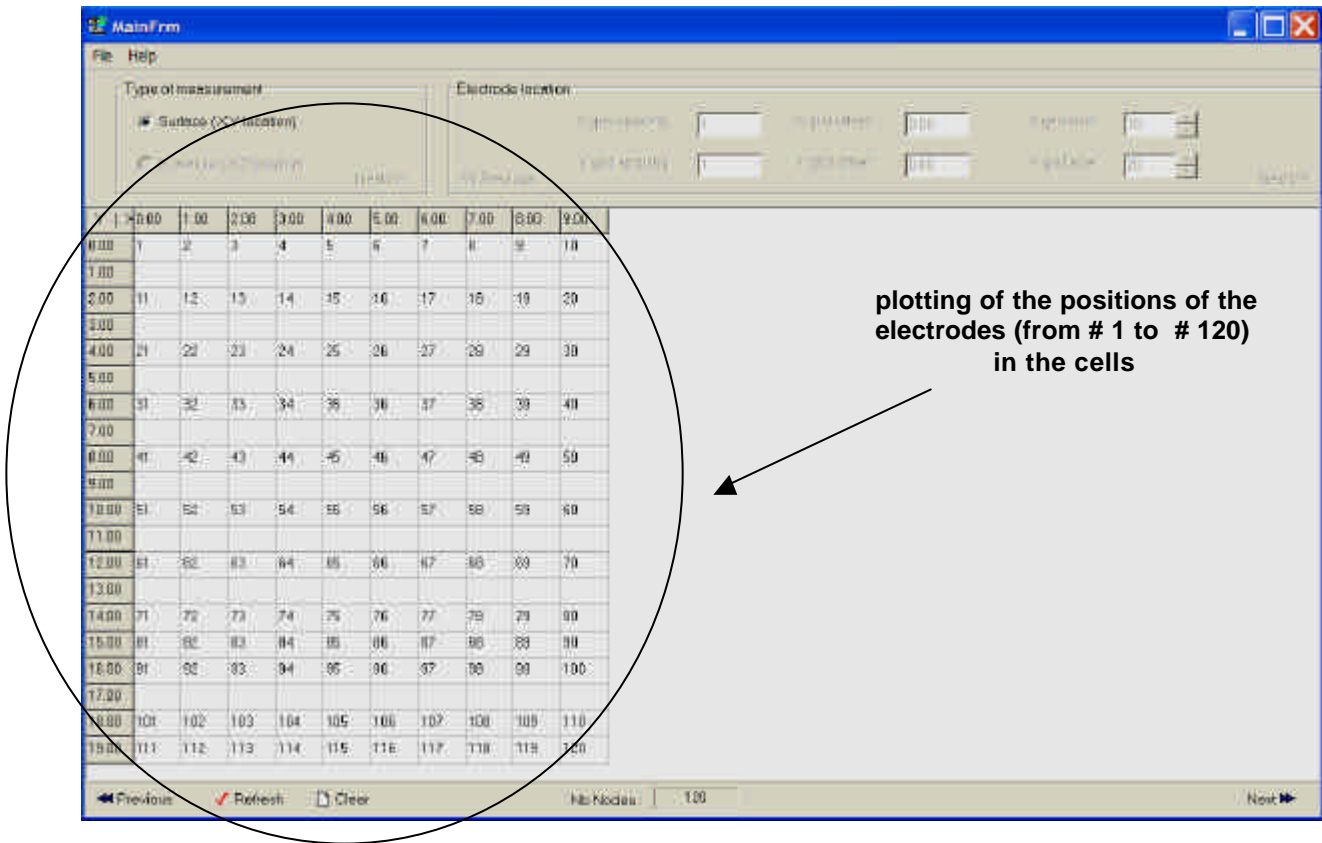
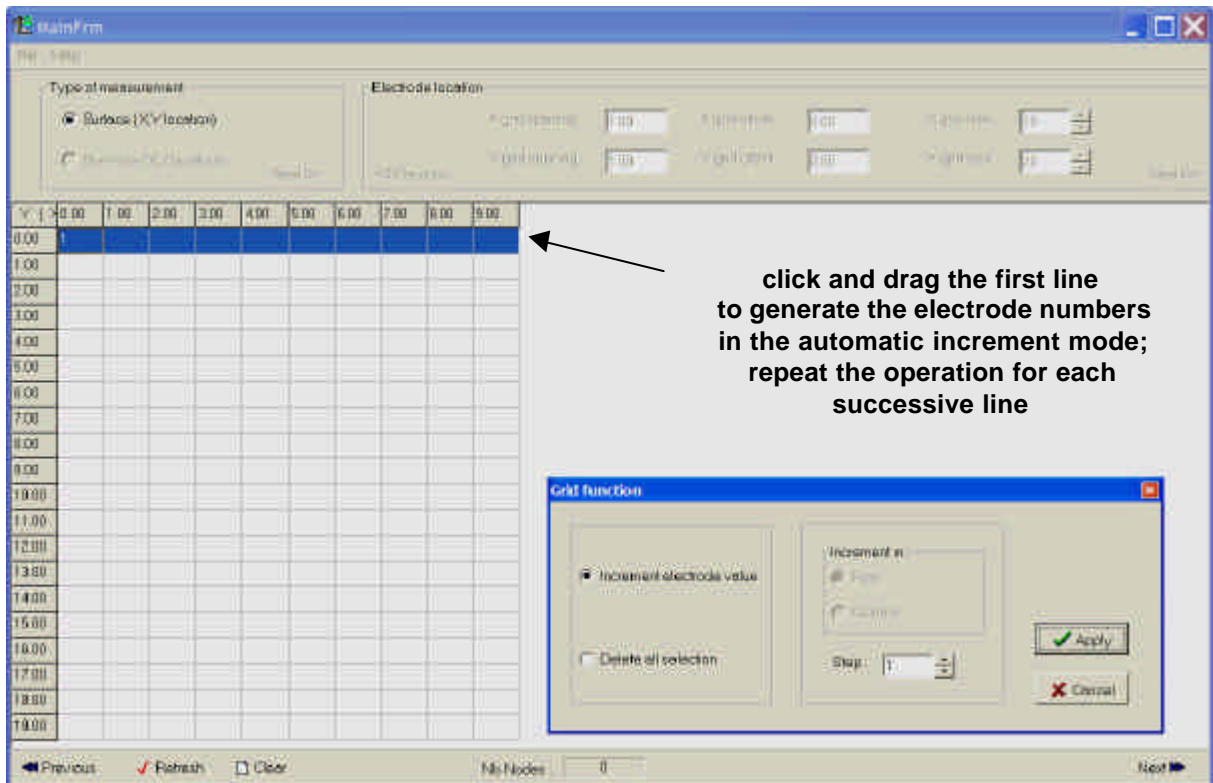
SURFACE RESISTIVITY MEASUREMENTS introduction of the electrode positions



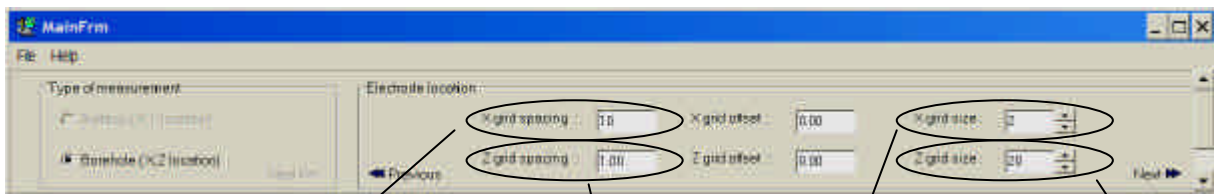
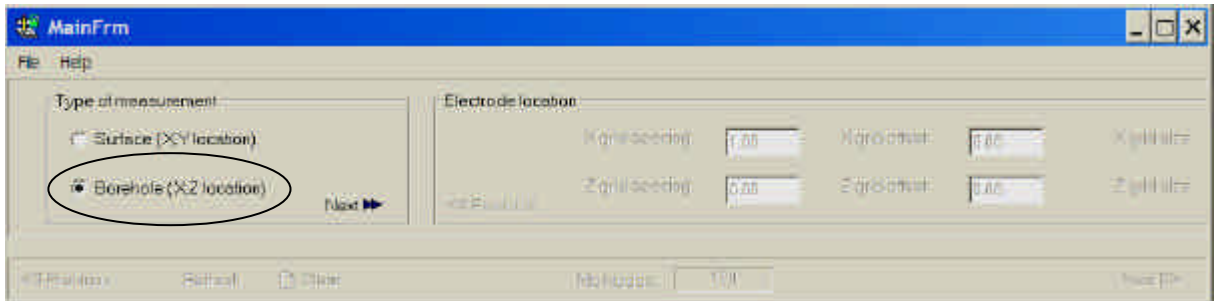
cell size in the X direction
and in the Y direction (in m)

number of cells in the X direction
and in the Y direction





BOREHOLE RESISTIVITY MEASUREMENTS:
introduction of the electrode positions

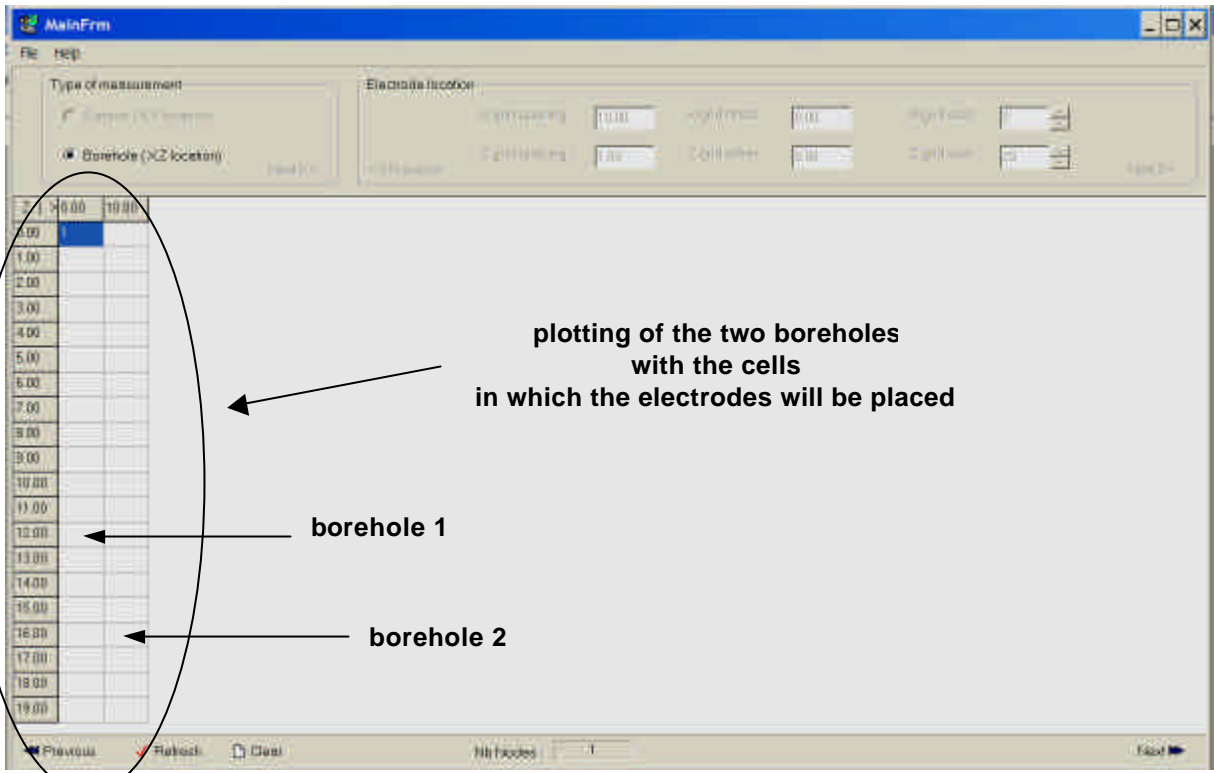


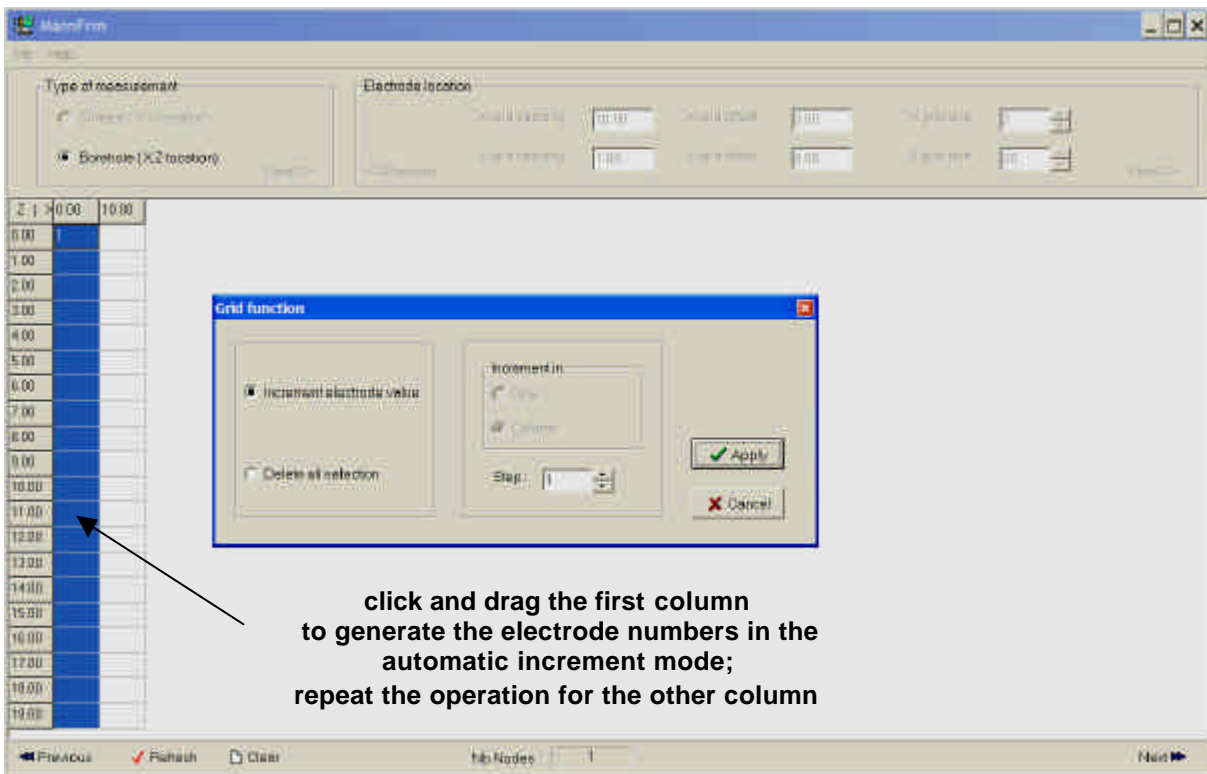
distance between the two boreholes (in m)

distance between two electrodes (in m)

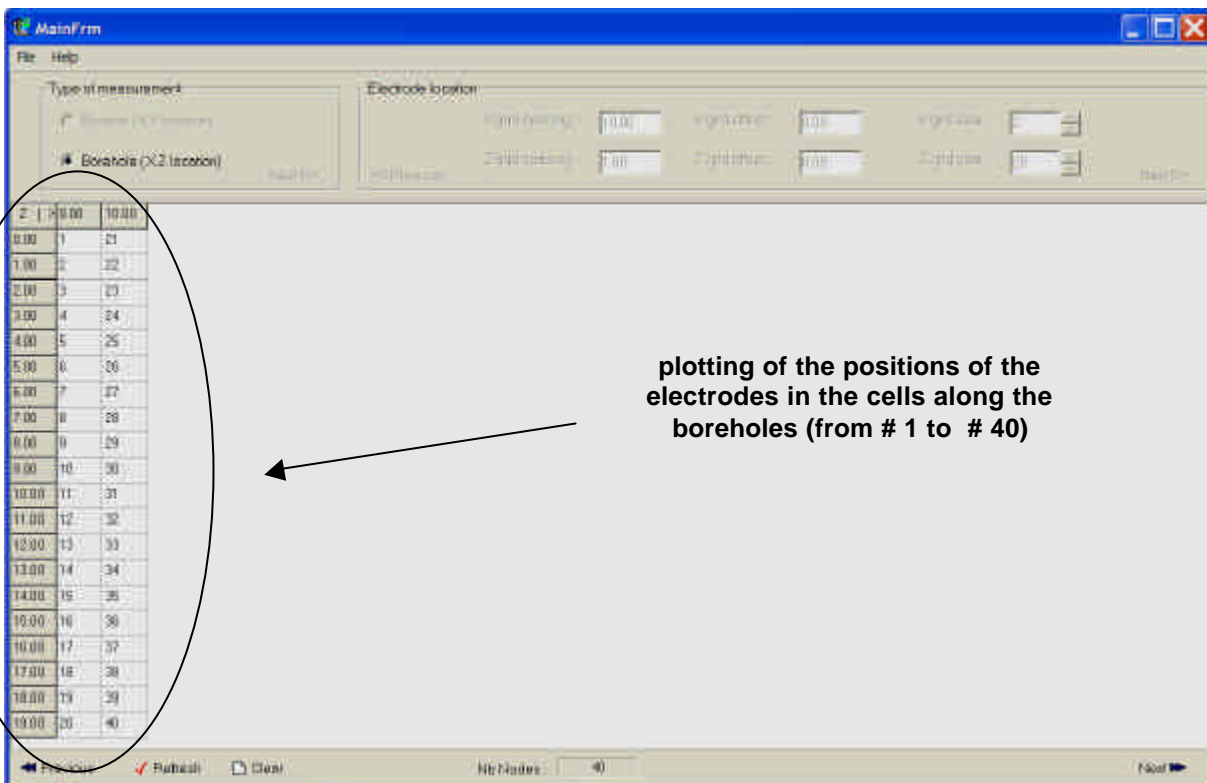
number of boreholes

maximum depth of the electrodes (in m)



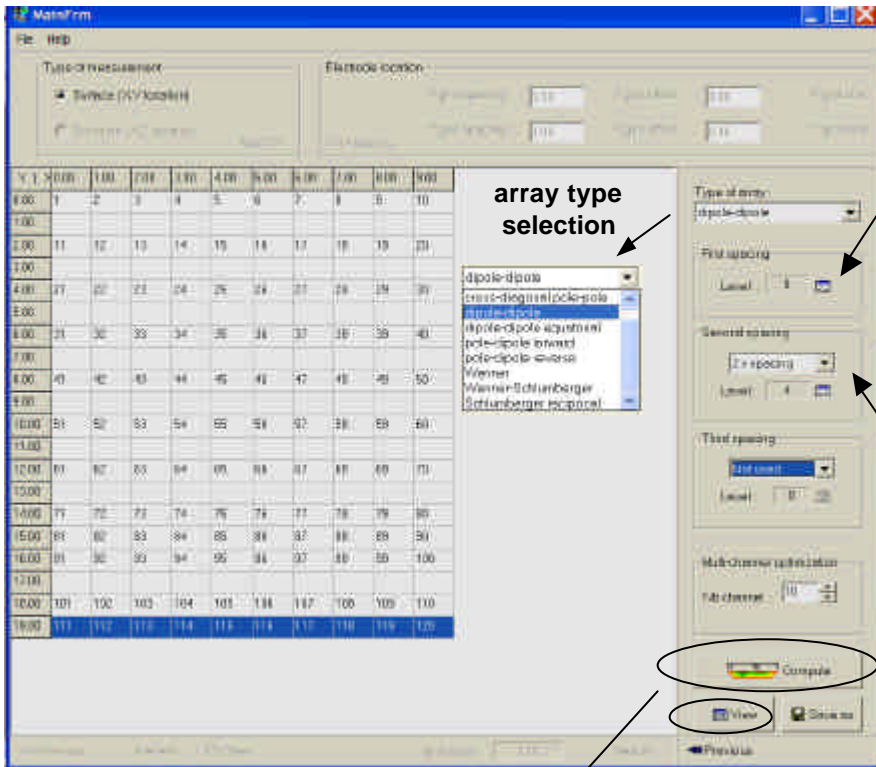


click and drag the first column
to generate the electrode numbers in the
automatic increment mode;
repeat the operation for the other column

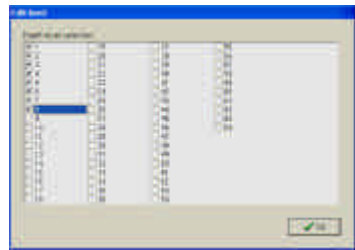


plotting of the positions of the
electrodes in the cells along the
boreholes (from # 1 to # 40)

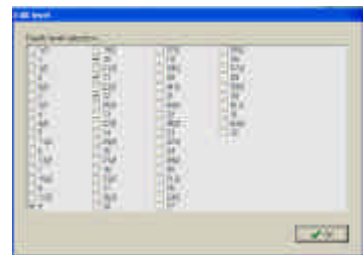
SURFACE AND BOREHOLE RESISTIVITY MEASUREMENTS:
creation of the sequence of measurements



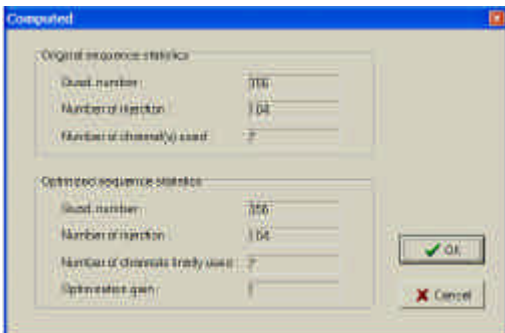
level selection
(1x a spacing)



level selection
(2x a spacing)



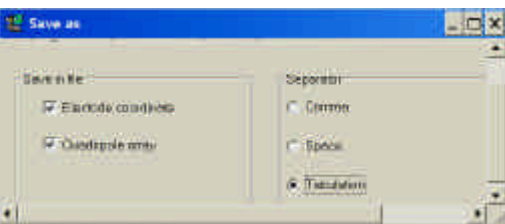
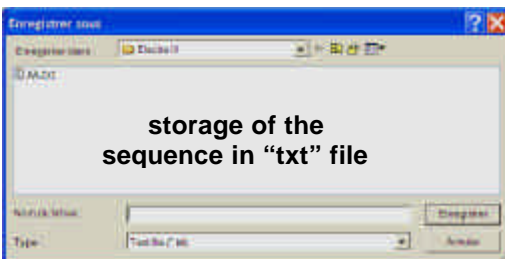
Sequence automatic generation



list of sequence of readings
(quadripoles 1 to 356)

Quadripole	Electrode	# Ca	# Cb	# Pm	# Pn	K factor
1	1	2	3	4		-18.8495553597782
2	1	2	4	5		-75.3982416824967
3	1	2	5	6		-188.495486186545
4	1	2	6	7		-376.991140901198
5	1	2	7	8		-655.734496527097
6	1	2	8	9		-1055.57851528596
7	1	2	9	10		-1583.35981895147
8	2	3	4	5		-18.8495553597782
9	2	3	5	6		-75.3982416824967
10	2	3	6	7		-188.495486186545
11	2	3	7	8		-376.991140901198
12	2	3	8	9		-655.734496527097
13	2	3	9	10		-1055.57851528596
14	3	4	5	6		-18.8495553597782
15	3	4	6	7		-75.3982416824967
16	3	4	7	8		-188.495486186545
17	3	4	8	9		-376.991140901198
18	3	4	9	10		-655.734496527097
19	4	5	6	7		-18.8495553597782
20	4	5	7	8		-75.3982416824967
21	4	5	8	9		-188.495486186545
22	4	5	9	10		-376.991140901198
23	5	6	7	8		-18.8495553597782
350	114	115	119	120		-376.991140901198
351	115	116	117	118		-18.8495553597782
352	115	116	118	119		-75.3982416824967
353	115	116	119	120		-188.495486186545
354	116	117	118	119		-18.8495553597782
355	116	117	119	120		-75.3982416824967
356	117	118	119	120		-18.8495553597782

storage of the
sequence in "txt" file



The « txt » file generated by Electre 3D must then be introduced in Electre II to generate the « sqx » file which will be introduced in the internal memory of the SYSCAL Pro