

P rosys

The **PROSYS** software is a user-friendly and easy to use program allowing to transfer, edit, process and export data of the *IRIS Instruments* resistivity-meters.

Developed under Windows® 32 bits platform, this software requires the following minimal PC configuration::

- Windows® 95
- Pentium II Microprocessor
- RAM memory: 16 Mb
- Free memory on hard disk: 10 Mb
- 800 x 600 screen

The main functions of the **PROSYS** software are the following ones:

- Data download and presentation
- Data filtering
- Files concatenation
- Topographic points insertion
- Export to various formats (ASCII, Res2dinv,...) and visualization of the exported files

Resistivity data managing software

#	El-array	Spa. 1	Spa. 2	Spa. 3	Spa. 4	Rho	Dev.	M	Sp	Vp	In
1	Dipole dipole	1.00	2.00	1.00	1.00	1033.59	0.4	0.00	26.6	140.116	2.56
2	Dipole dipole	1.00	3.00	1.00	1.00	1870.66	0.4	0.00	185.2	62.961	2.54
3	Dipole dipole	1.00	4.00	1.00	1.00	2209.41	0.1	0.00	-137.3	56.869	4.85
4	Dipole dipole	1.00	5.00	1.00	1.00	2191.79	0.0	0.00	-50.4	169.179	29.10
5	Dipole dipole	1.00	6.00	1.00	1.00	1971.29	0.3	0.00	-31.8	113.690	38.05
6	Dipole dipole	1.00	7.00	1.00	1.00	1567.50	0.1	0.00	5.1	56.595	38.11
7	Dipole dipole	1.00	8.00	1.00	1.00	1383.03	0.1	0.00	-52.9	33.291	38.11
8	Dipole dipole	1.00	9.00	1.00	1.00	1318.37	0.3	0.00	42.7	22.197	38.08
9	Dipole dipole	1.00	10.00	1.00	1.00	999.43	0.3	0.00	12.4	12.433	38.69
10	Dipole dipole	2.00	3.00	1.00	1.00	1276.98	0.5	0.00	192.5	171.259	2.53
11	Dipole dipole	2.00	4.00	1.00	1.00	1813.43	0.4	0.00	-142.6	61.550	2.56
12	Dipole dipole	2.00	5.00	1.00	1.00	2034.76	0.1	0.00	-50.5	166.125	15.39
13	Dipole dipole	2.00	6.00	1.00	1.00	2015.99	0.0	0.00	-31.9	160.749	30.06
14	Dipole dipole	2.00	7.00	1.00	1.00	1681.22	0.0	0.00	5.2	99.754	39.14
15	Dipole dipole	2.00	8.00	1.00	1.00	1575.23	0.1	0.00	-52.6	58.425	39.15
16	Dipole dipole	2.00	9.00	1.00	1.00	1511.62	0.5	0.00	42.1	37.378	39.15
17	Dipole dipole	2.00	10.00	1.00	1.00	1265.76	0.7	0.00	12.7	21.965	39.25
18	Dipole dipole	2.00	11.00	1.00	1.00	1276.43	1.1	0.00	56.0	16.186	39.44
19	Dipole dipole	3.00	4.00	1.00	1.00	1235.55	0.2	0.00	-146.1	162.271	2.48
20	Dipole dipole	3.00	5.00	1.00	1.00	2031.26	1.3	0.00	-50.5	110.150	4.09
21	Dipole dipole	3.00	6.00	1.00	1.00	2186.63	0.0	0.00	-31.6	195.743	16.87
22	Dipole dipole	3.00	7.00	1.00	1.00	1948.66	0.0	0.00	5.7	162.525	31.44

Number of points = 306
C:\Geophy\Kid\Test_Iris\Test1DD.bin

Data edition

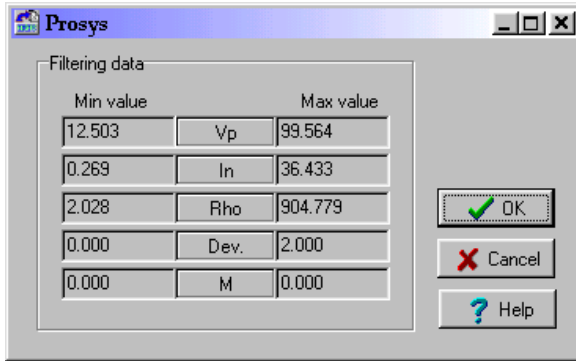


IRIS INSTRUMENTS - 1, avenue Buffon, B.P. 6007 - 45060 Orléans Cedex 2, France
 Phone: +33 (0)2 38 63 81 00 - Fax: +33 (0)2 38 63 81 82
 E-mail: irisins@attglobal.net - Web site: www.iris-instruments.com

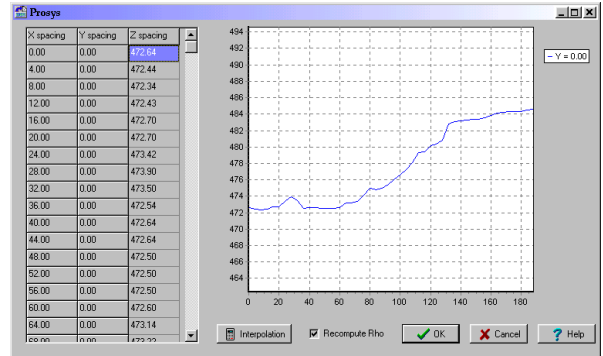
GEOPHYSICS

Prosys

The **PROSYS** software allows to download data from *IRIS Instruments* resistivity-meters in standard or Multi-Electrode mode. Once the data has been transferred and edited, several actions can be performed:



The **PROSYS** software allows to process the data according to one or several specific parameters by choosing the range of values to be kept.



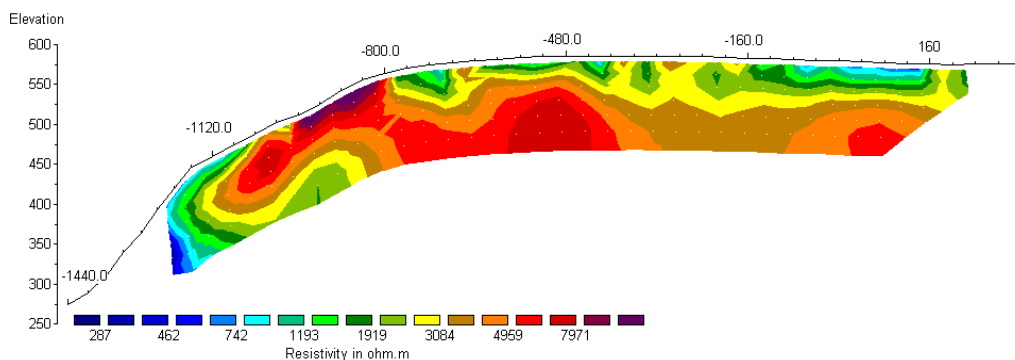
You have also the possibility to modify the electrodes coordinates (insertion of the topography for example).

Type of measurement (0=app. resistivity,1=resistance)	X	Y	Z	Resistivity
0	0.00	0.00	0.25	101.43
2	0.00	0.00	0.50	132.03
2	0.00	0.00	0.75	139.26
2	0.00	0.00	1.00	139.71
2	0.00	0.00	1.25	139.02
2	0.00	0.00	1.50	136.38
2	0.00	0.00	1.75	130.07
2	0.00	0.00	2.00	130.01
2	0.00	0.00	2.25	129.70
2	0.00	0.00	2.50	132.33
2	0.00	0.00	2.75	133.64
2	0.00	0.00	3.00	136.85
2	0.00	0.00	3.25	137.56
2	0.00	0.00	3.50	137.10
2	0.00	0.00	3.75	139.20
2	0.00	0.00	4.00	141.17
2	0.00	0.00	4.25	144.15

Visualization of the exported file (Res2dinv format)

Data can be exported to the ASCII format to be used from a spreadsheet software as *Excel* for example.

They can also be exported to the Res2dinv or Res3dinv format (software of *M.H. Loke*) in order to carry out a 2D or 3D field data interpretation to get true resistivity sections or areas.



Resistivity data interpretation with Res2dinv

Resistivity data managing software



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GEOPHYSICS