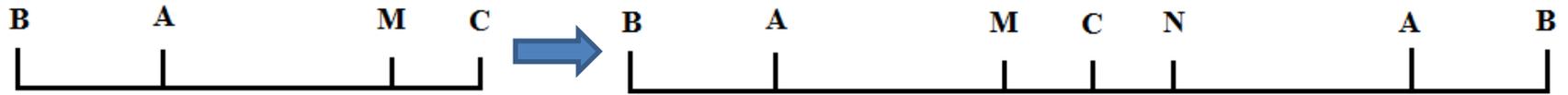


# Some problems in IP data:

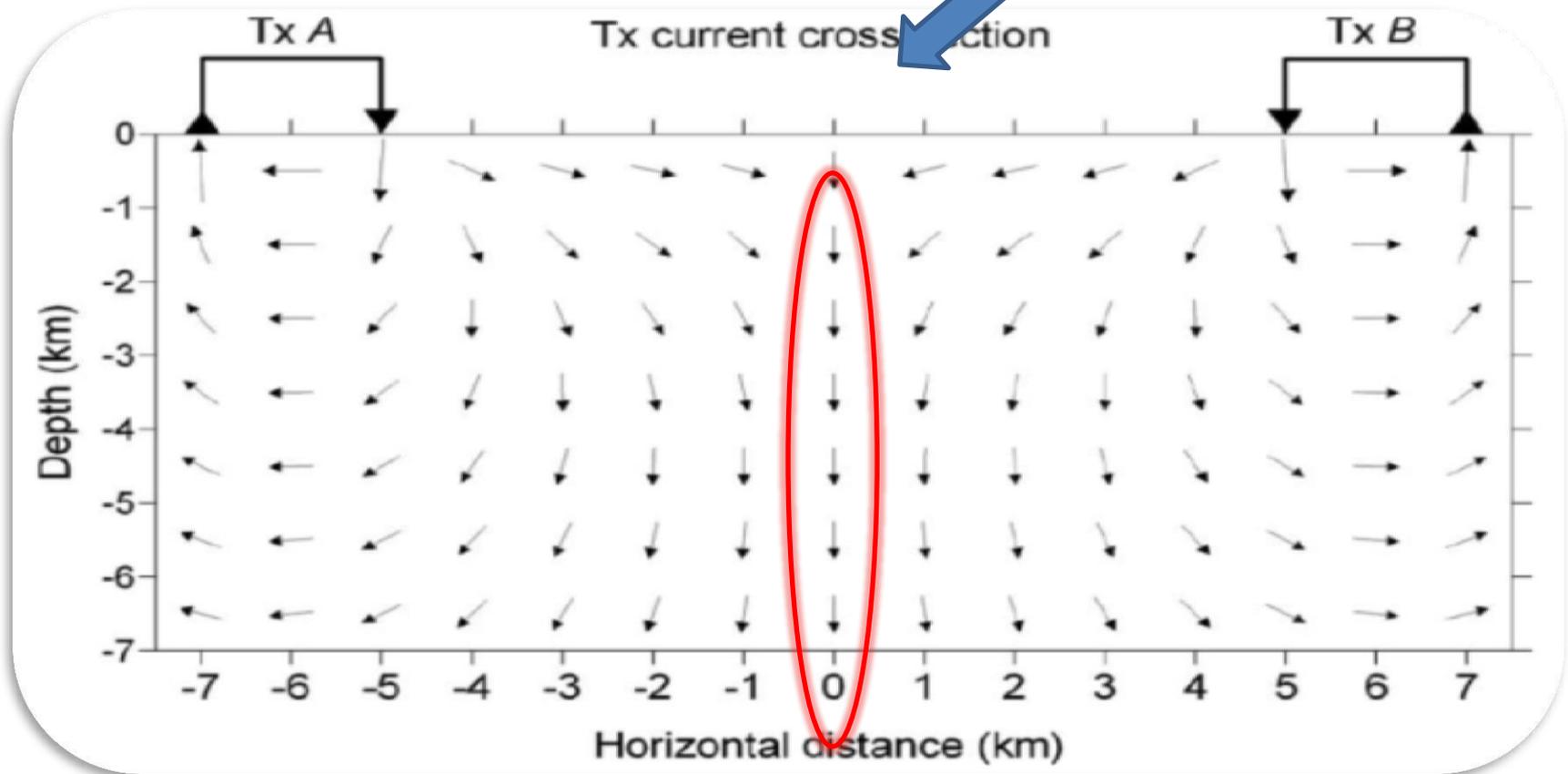
- electromagnetic coupling
- telluric noise
- contamination in channel links
- electrode polarization
- and small heterogeneous responses

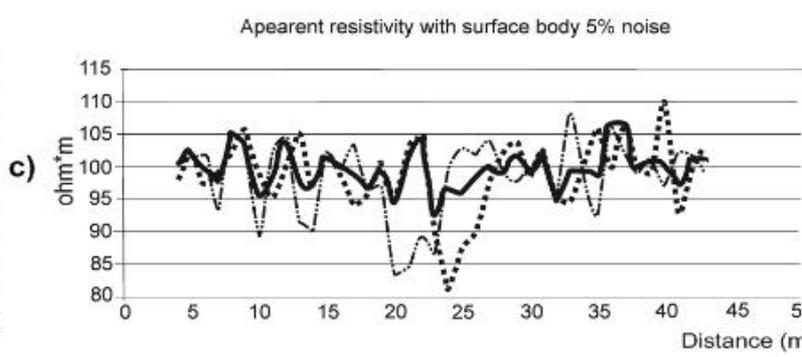
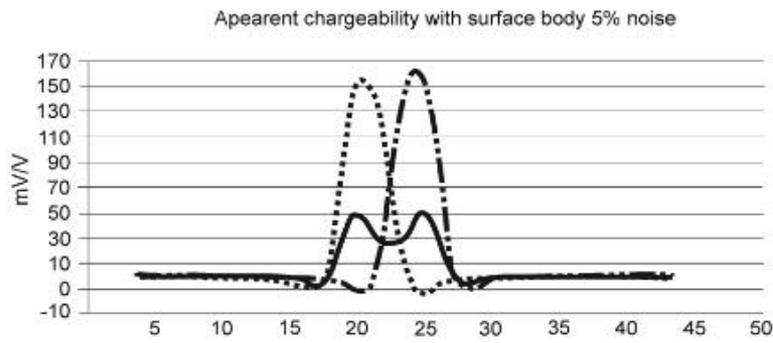
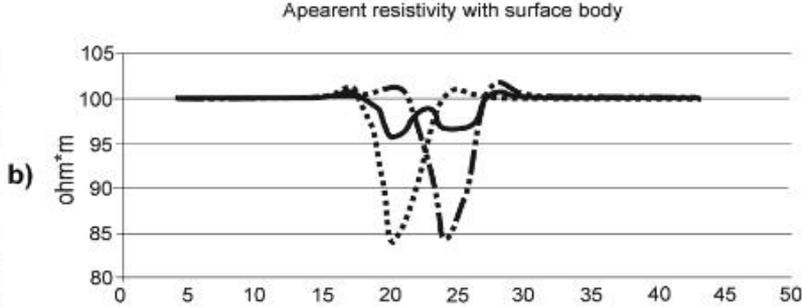
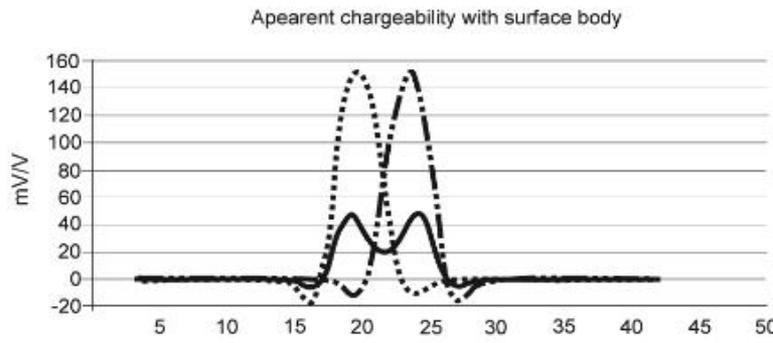
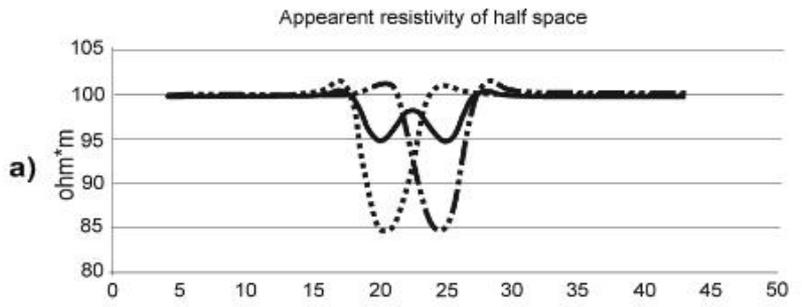
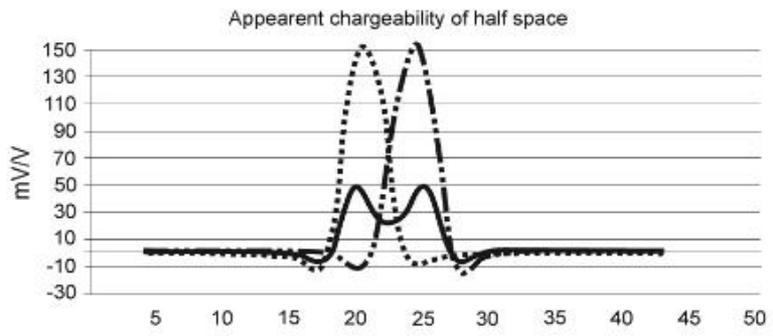
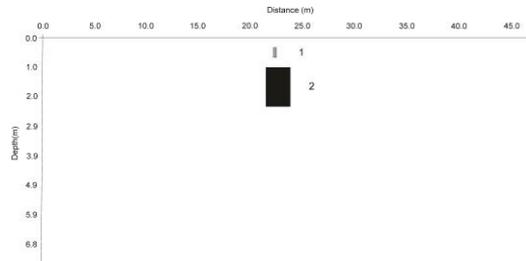
# What are we doing to deal with?



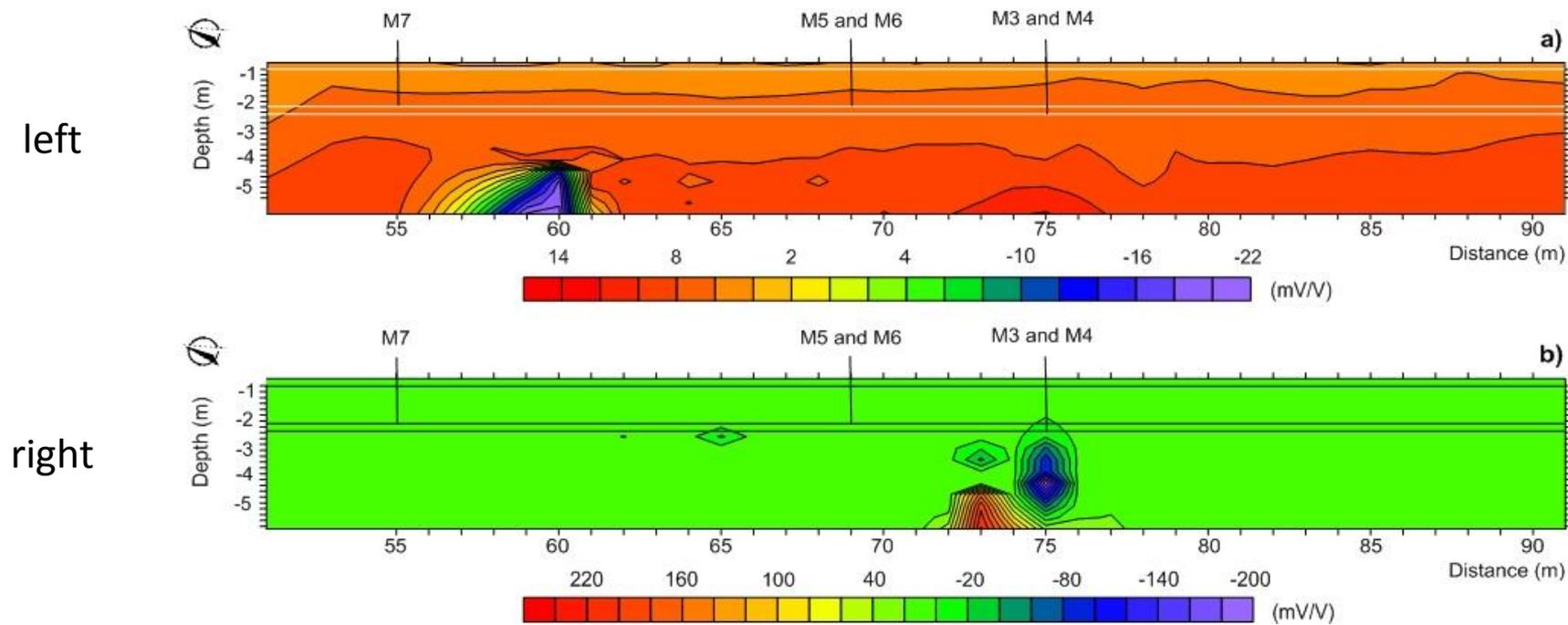
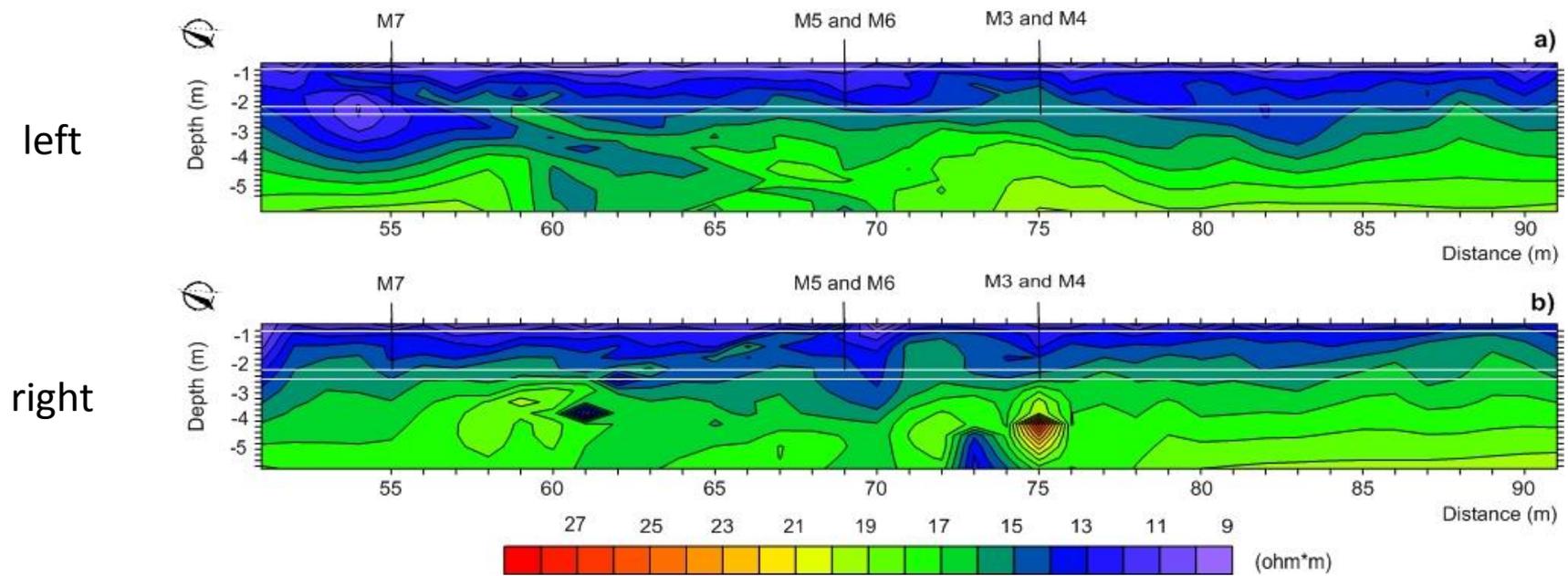
a)

b)

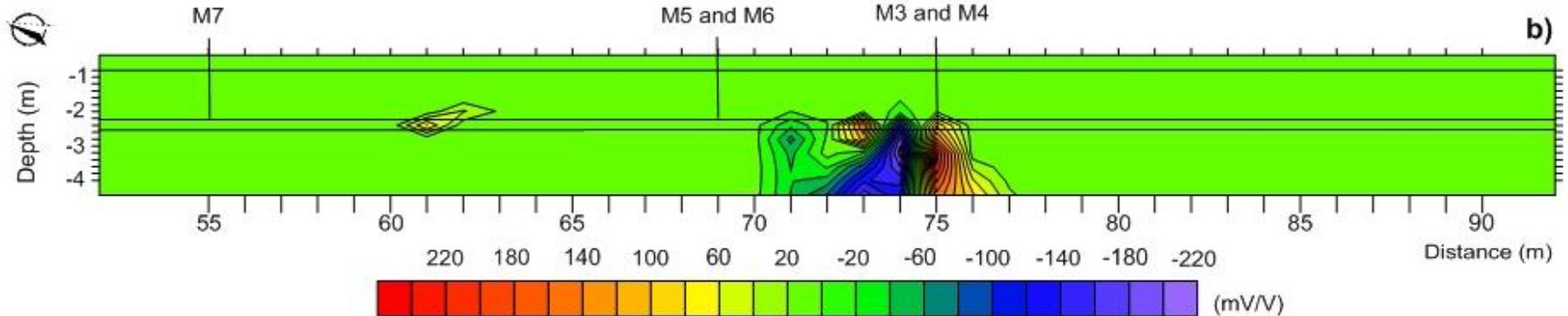
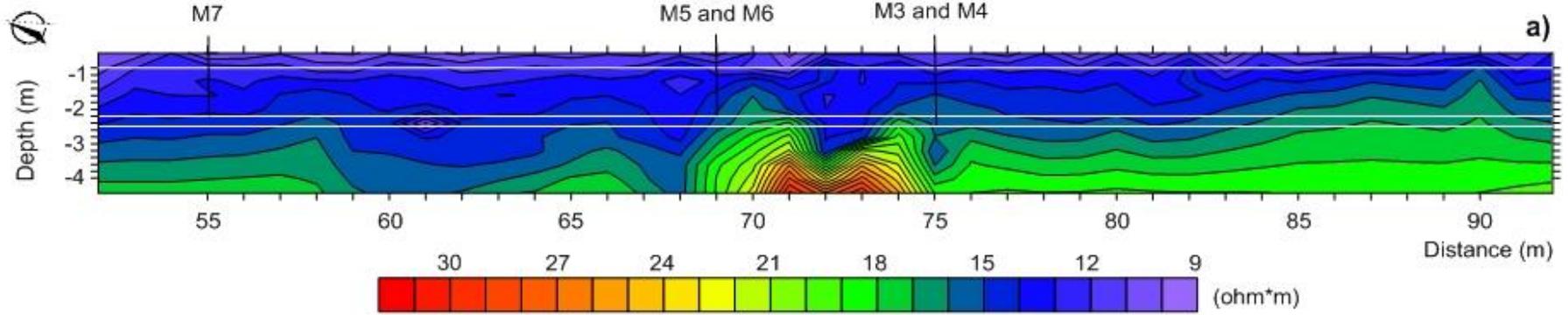




SPD
  RIGHT FPD
  LEFT FPD



# Focused sources with second potential differences



<b>Table 1. Metal content, texture and HC from soil samples, and their geoelectrical responses from FS.</b>						
		<b>M3</b>	<b>M4</b>	<b>M5</b>	<b>M6</b>	<b>M7</b>
	x(m)	75	75	69	69	55
	Prof. (m)	<b>2.2</b>	<b>2.5</b>	<b>0.8</b>	<b>2.2</b>	<b>2.2</b>
Concentration (mg/kg)	<b>Ca</b>	6813.5	17007.5	33338	14466.5	21766.5
	<b>Fe</b>	26608	22335	22681.5	23970	19534
	<b>Li</b>	48	39	36	39.5	29.5
	<b>Mg</b>	5243.5	4746	4961.5	4777	4324
	<b>Mn</b>	517.5	342	288	423.5	213
	<b>Sr</b>	59.5	82.5	124	74.5	84.5
	<b>Ti</b>	1759.5	1590	1487	1653	1372
	<b>Zn</b>	62.5	57.5	48	52	38
Resistivity (Ohm*m)		18.8	15.8	12.7	15.2	14.1
Chargeability (ms)		63.9	108.9	5.1	6.4	5.9
clay (%)		46.3	39.1	52.3	45.4	33.5
sand (%)		26	24.9	24.5	22.4	29.8
silt (%)		27.7	36	23.3	32.2	36.7
HC (%)		40.6	37.1	34.2	37.7	35.9
Note: Cells highlighted in light gray correspond to minimum values and with dark gray maximum values.						