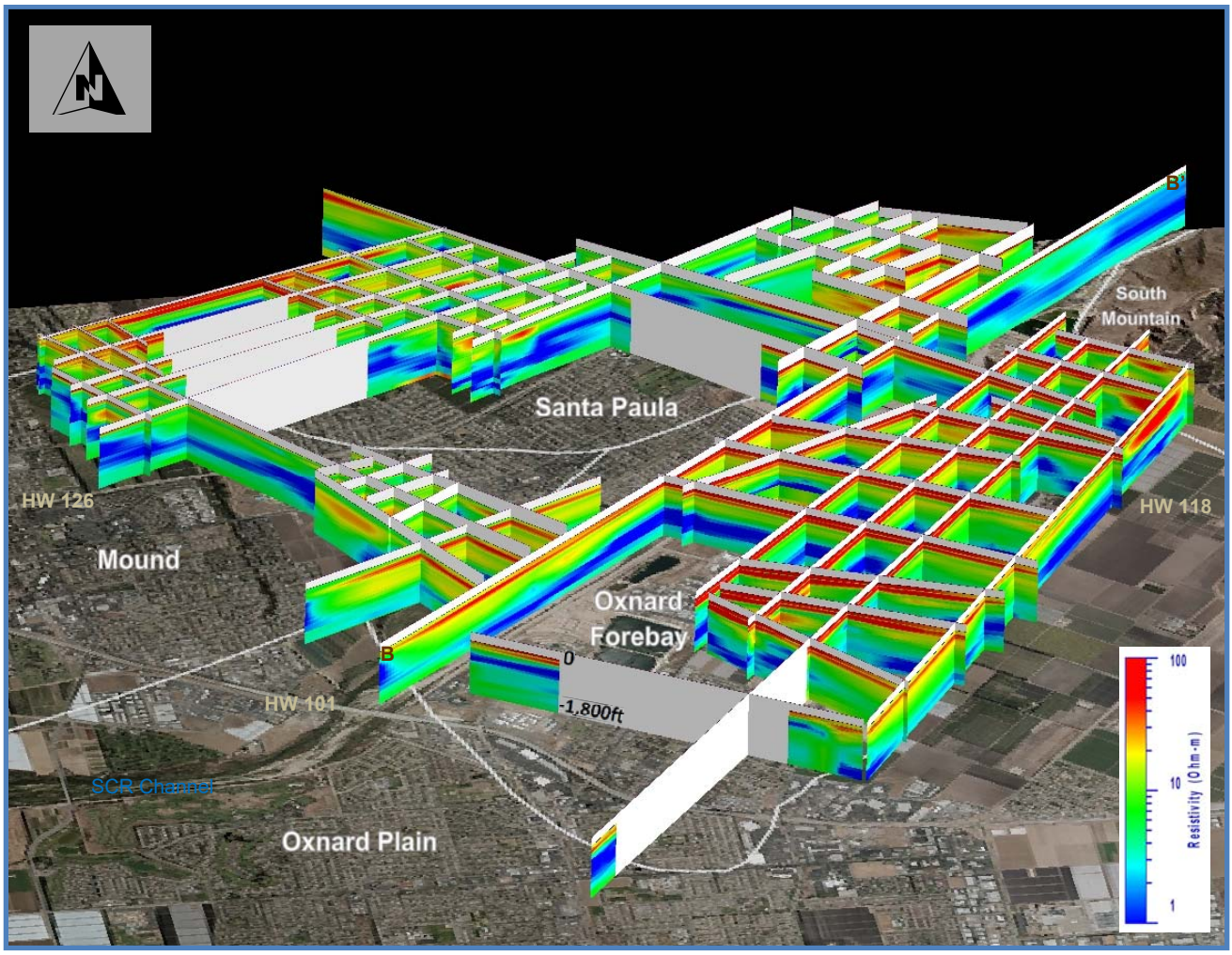
SANTA PAULA-MOUND-FOREBAY BASIN BOUNDARY TDEM GEOPHYSICAL SURVEY

Open-File Report 2020-01
March 2020



THIS REPORT IS PRELIMINARY AND IS SUBJECT TO MODIFICATION BASED UPON FUTURE ANALYSIS AND EVALUATION

PREPARED BY
GROUNDWATER
RESOURCES
DEPARTMENT

United Water
CONSERVATION DISTRICT

SANTA PAULA-MOUND-FOREBAY BASIN BOUNDARY TDEM GEOPHYSICAL SURVEY

United Water Conservation District
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GROUNDWATER RESOURCES DEPARTMENT

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Cover Photo: Fence diagram of 2011-2014 TDEM soundings with 1 to 100 Ohm-m color ramp looking obliquely north.

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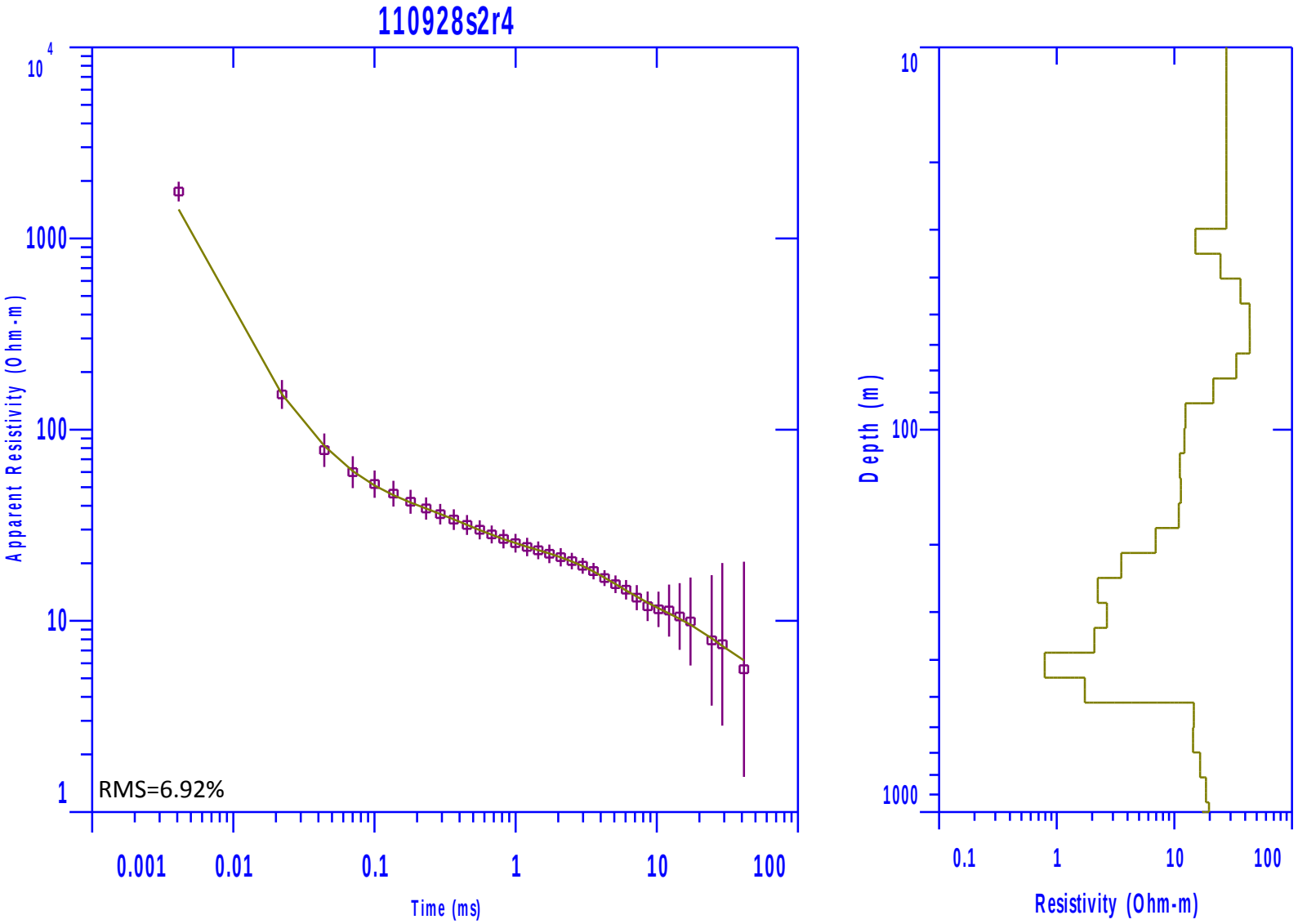
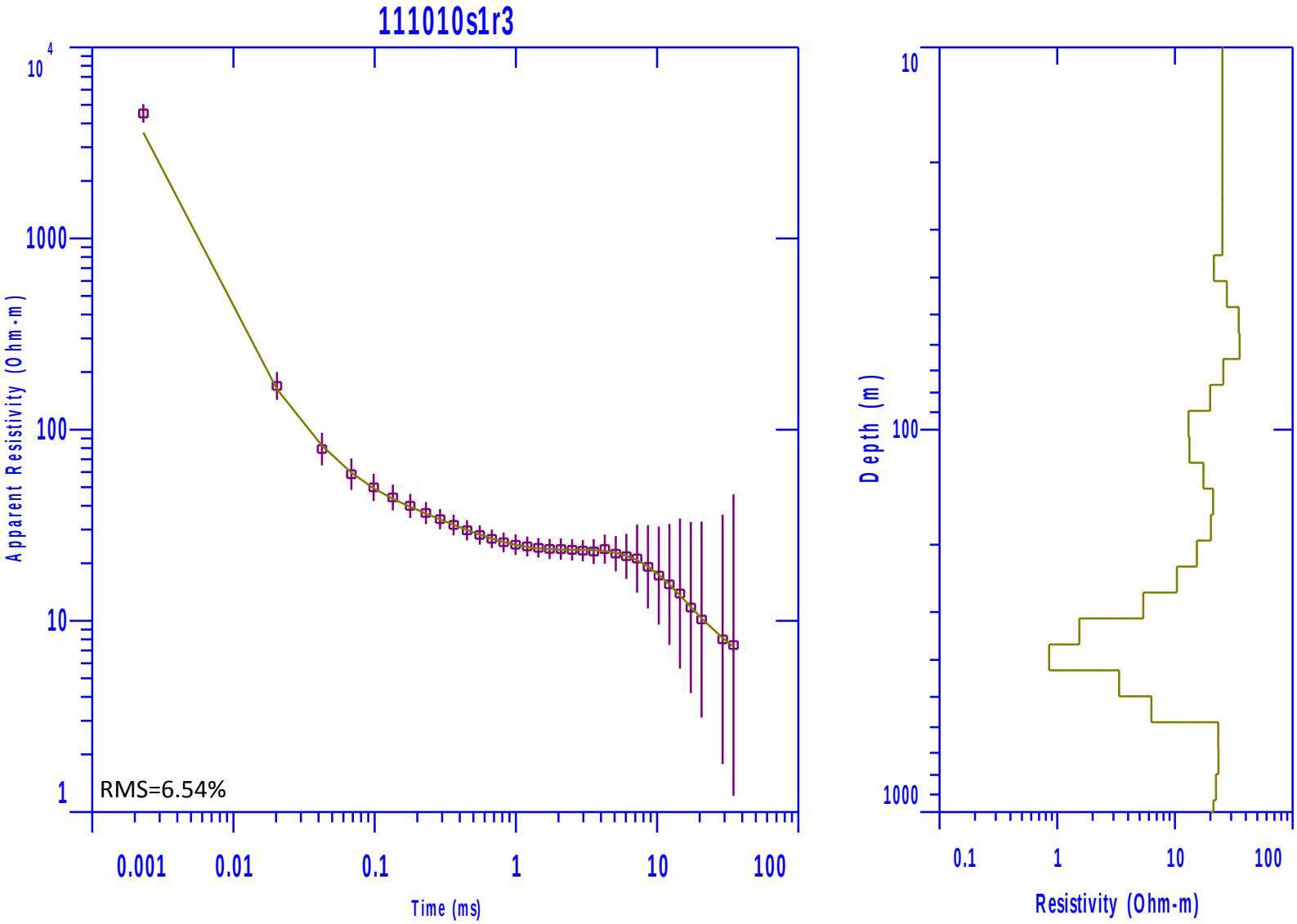
Principal Authors: Tim Moore, PG, CHG, Eric Elliott, Martin Miele, PGP, PG

APPENDIX D – MODELED SOUNDINGS


110928s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=6.92%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)


111010s1r3
Apparent Resistivity (Ohm-m)
10^4
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100
10
1
RMS=6.54%
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100
Time (ms)
Depth (m)
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100
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0.1
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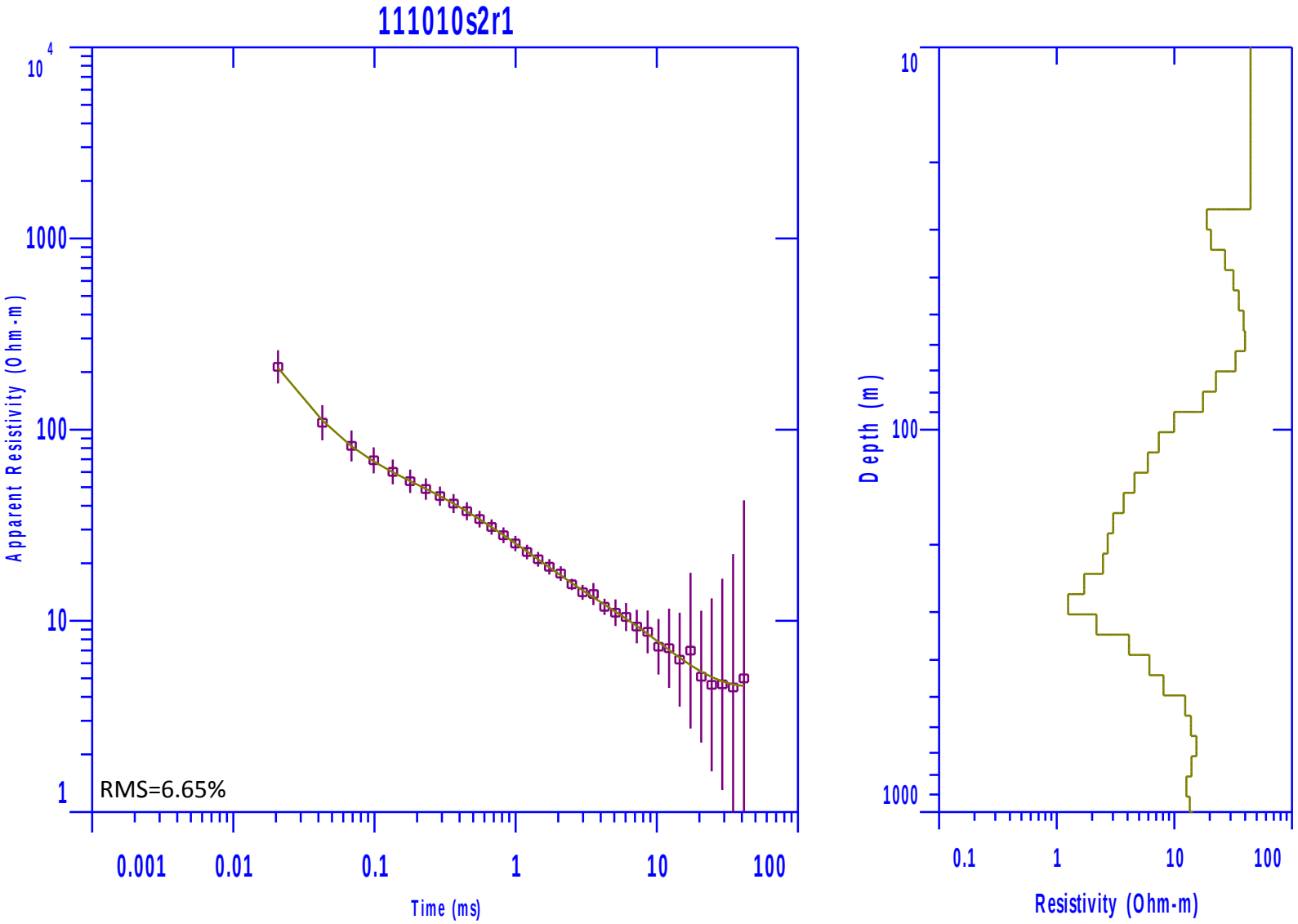
10
100
Resistivity (Ohm-m)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Apparent Resistivity (Ohm-m)
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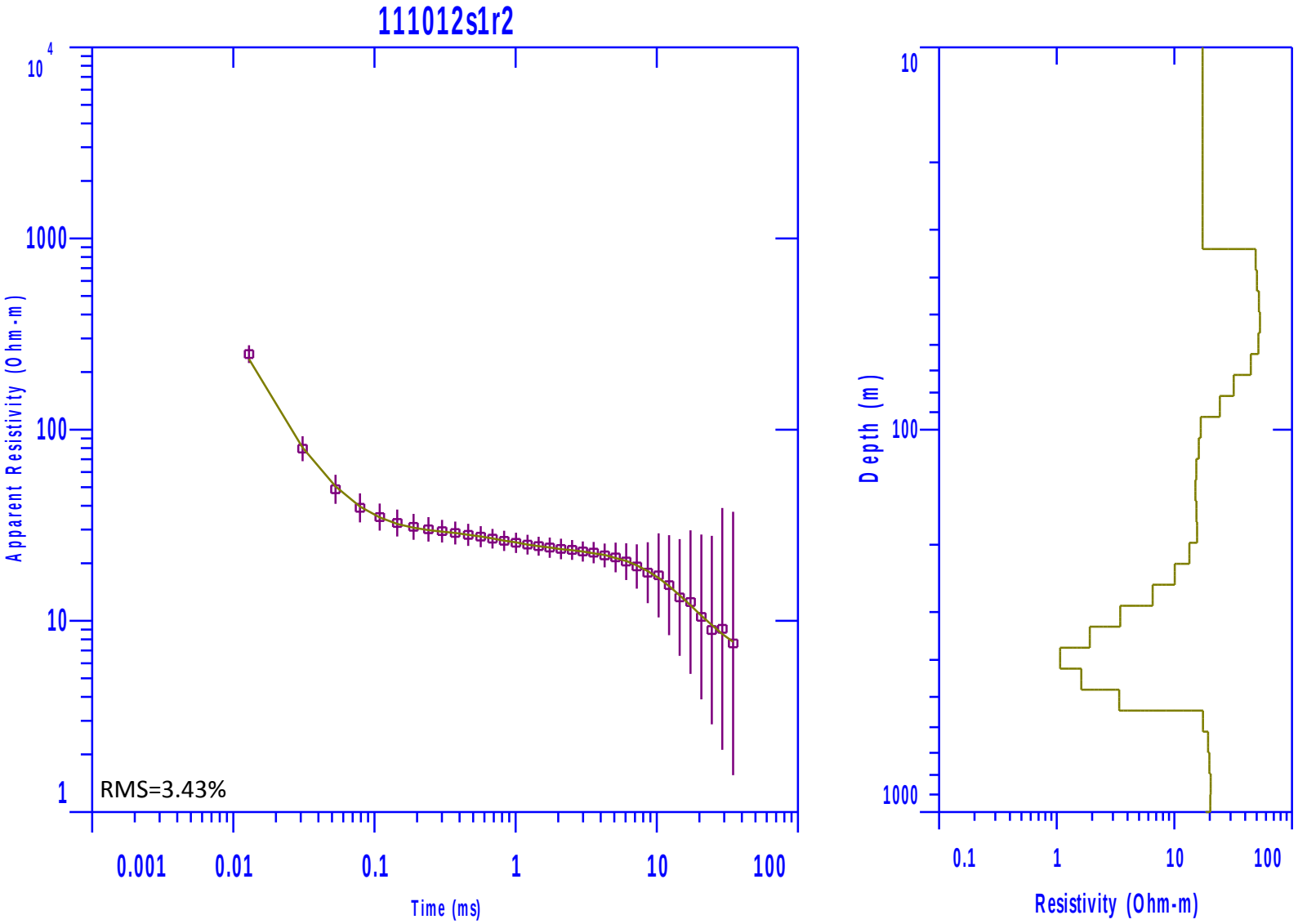
1000
100
10
1
RMS=6.65%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)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1
RMS=3.43%
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Time (ms)
Depth (m)
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0.1
1
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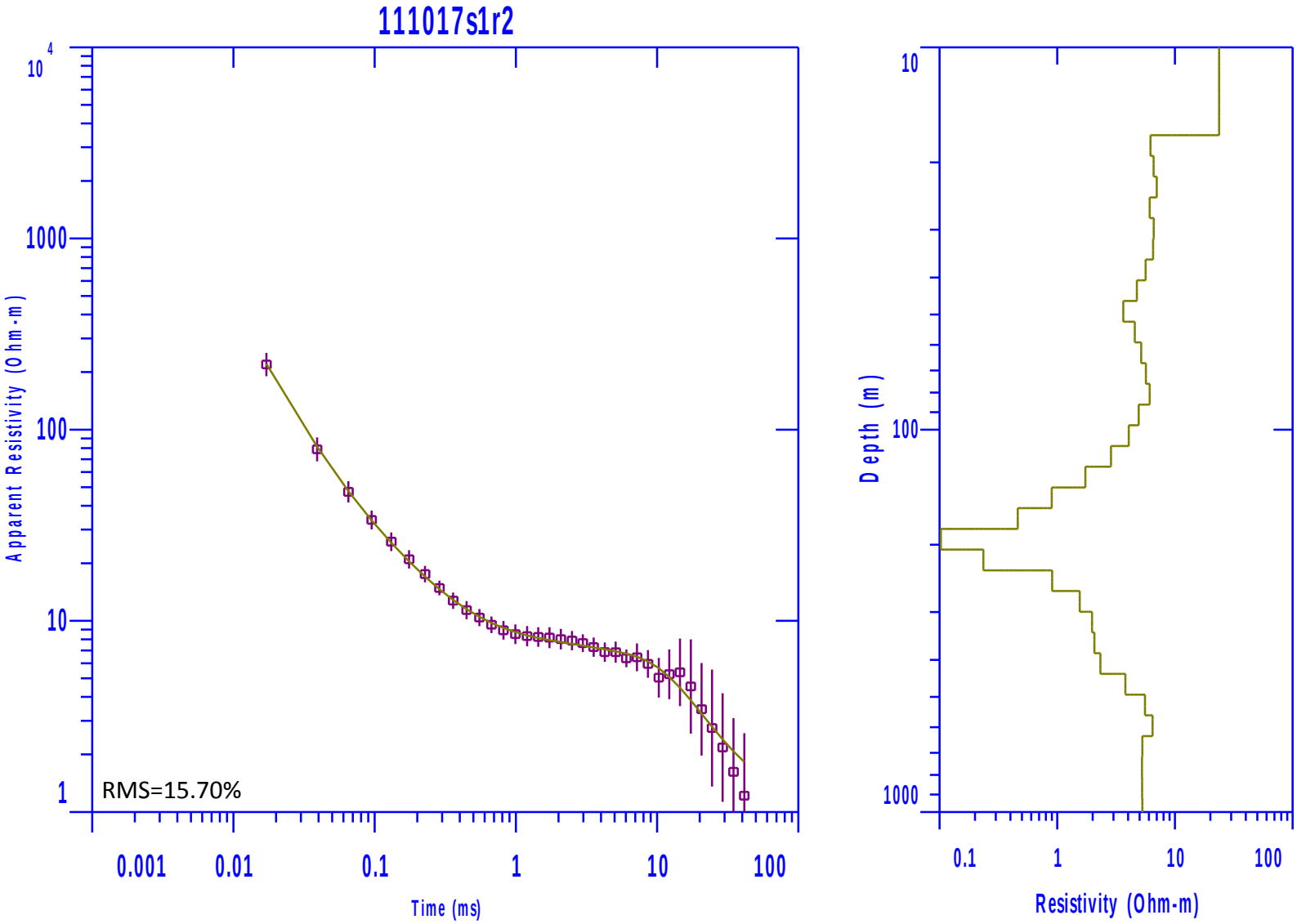
100
Resistivity (Ohm-m)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Apparent Resistivity (Ohm-m)
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100
10
1
RMS=15.70%
0.001
0.01
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1
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100
Time (ms)
Depth (m)
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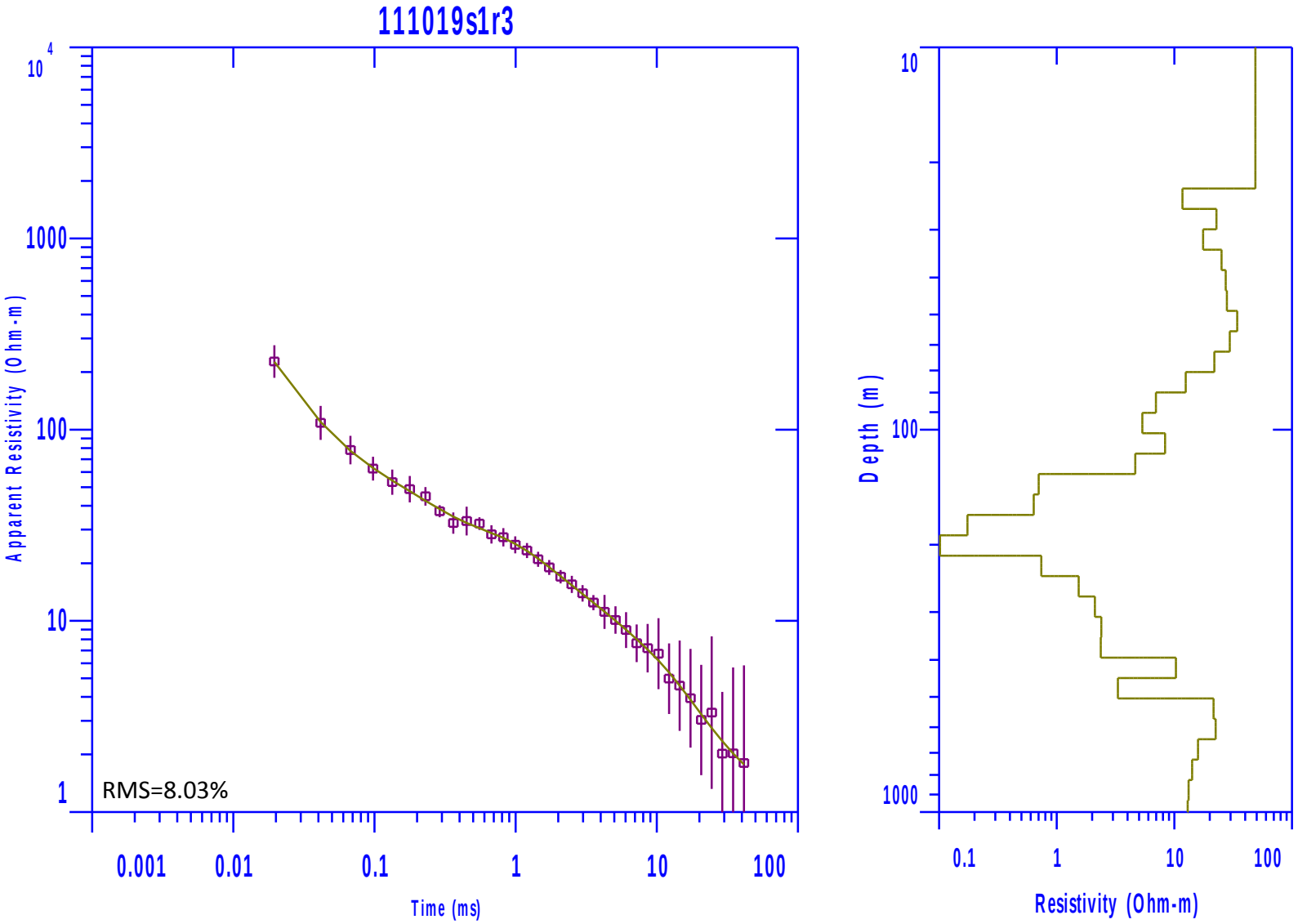
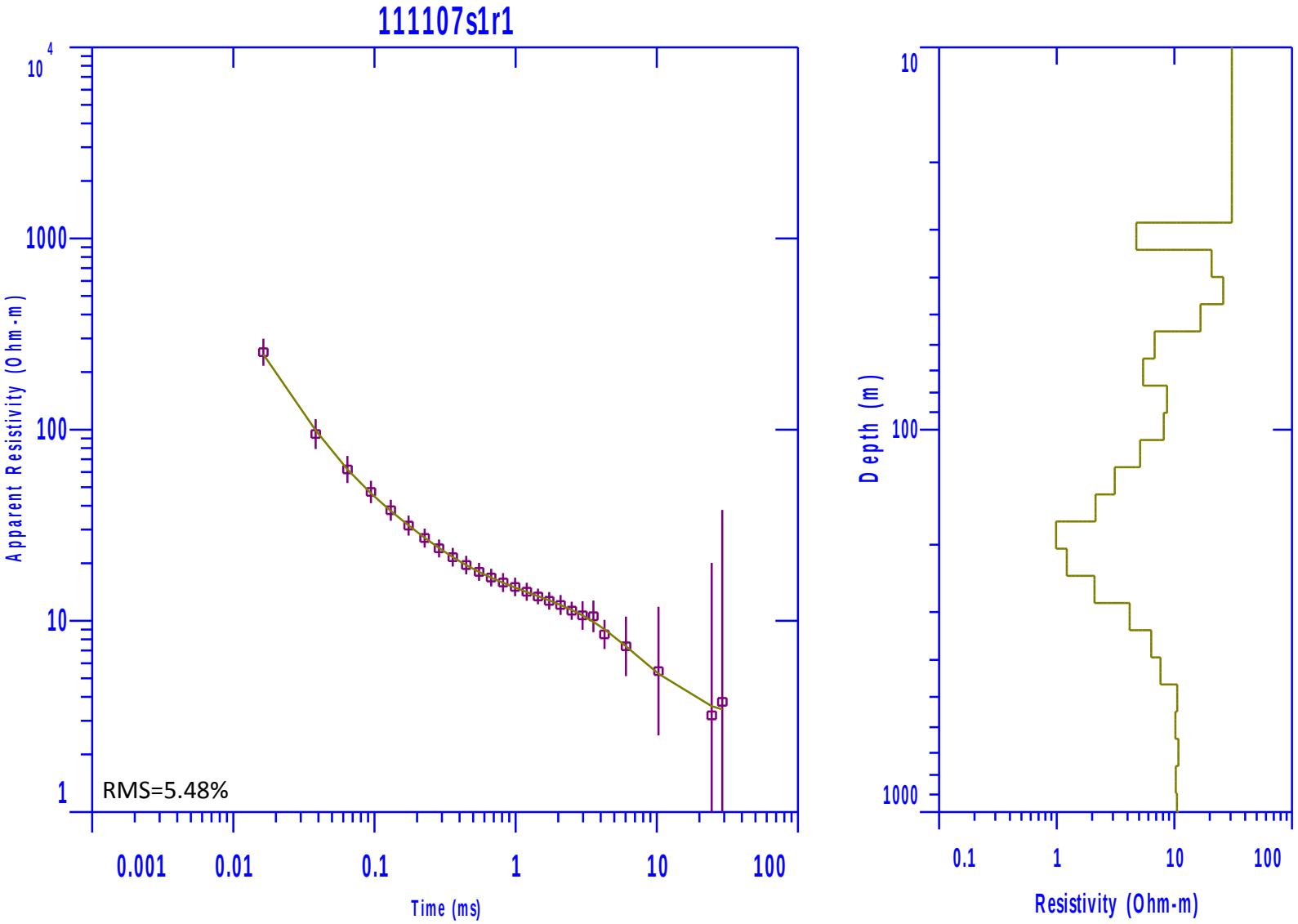
10
100
Resistivity (Ohm-m)


111019s1r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=8.03%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)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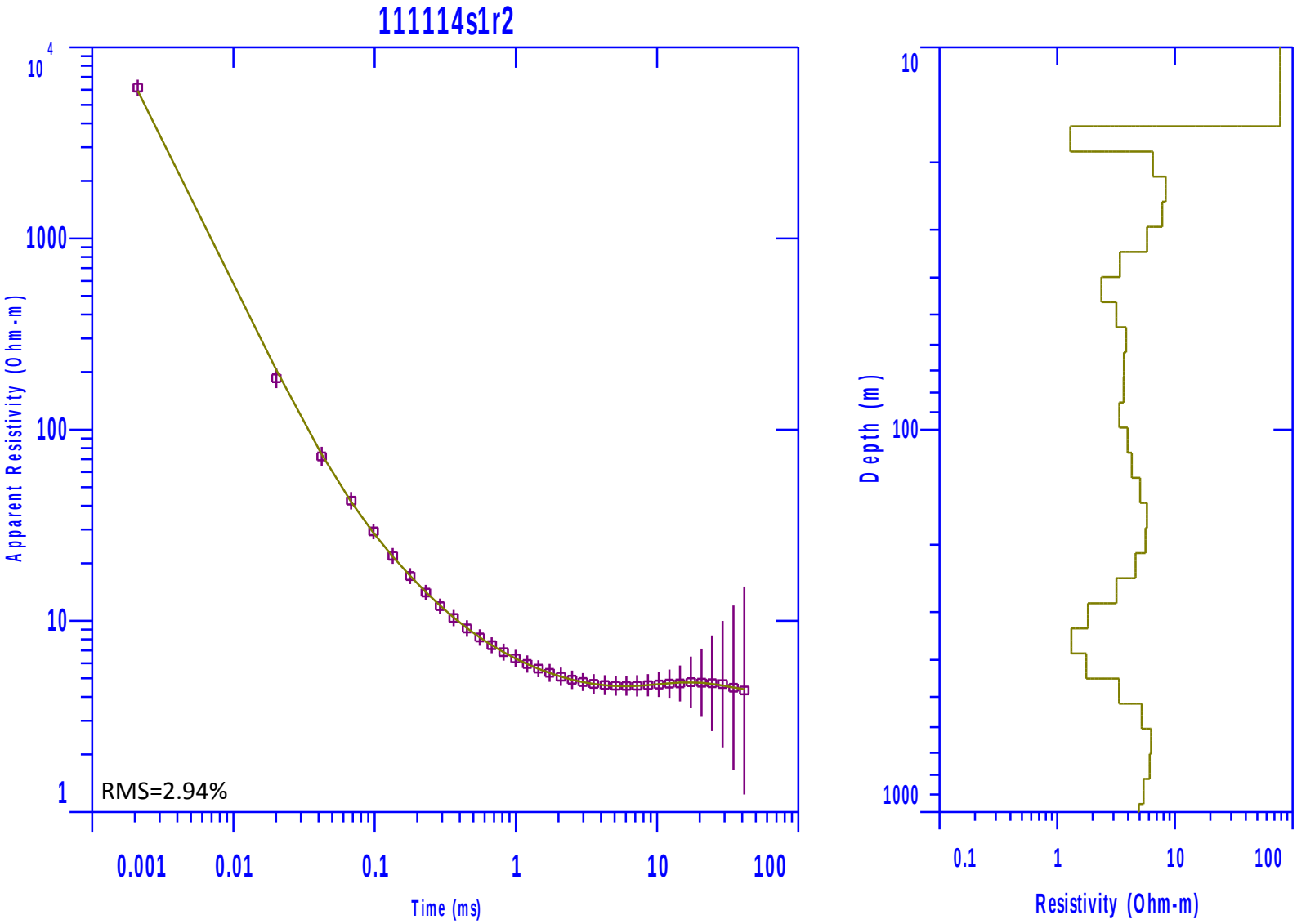
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=5.48%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)


111114s1r2
Apparent Resistivity (Ohm-m)
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1000
100
10
1
RMS=2.94%
0.001
0.01
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Time (ms)
Depth (m)
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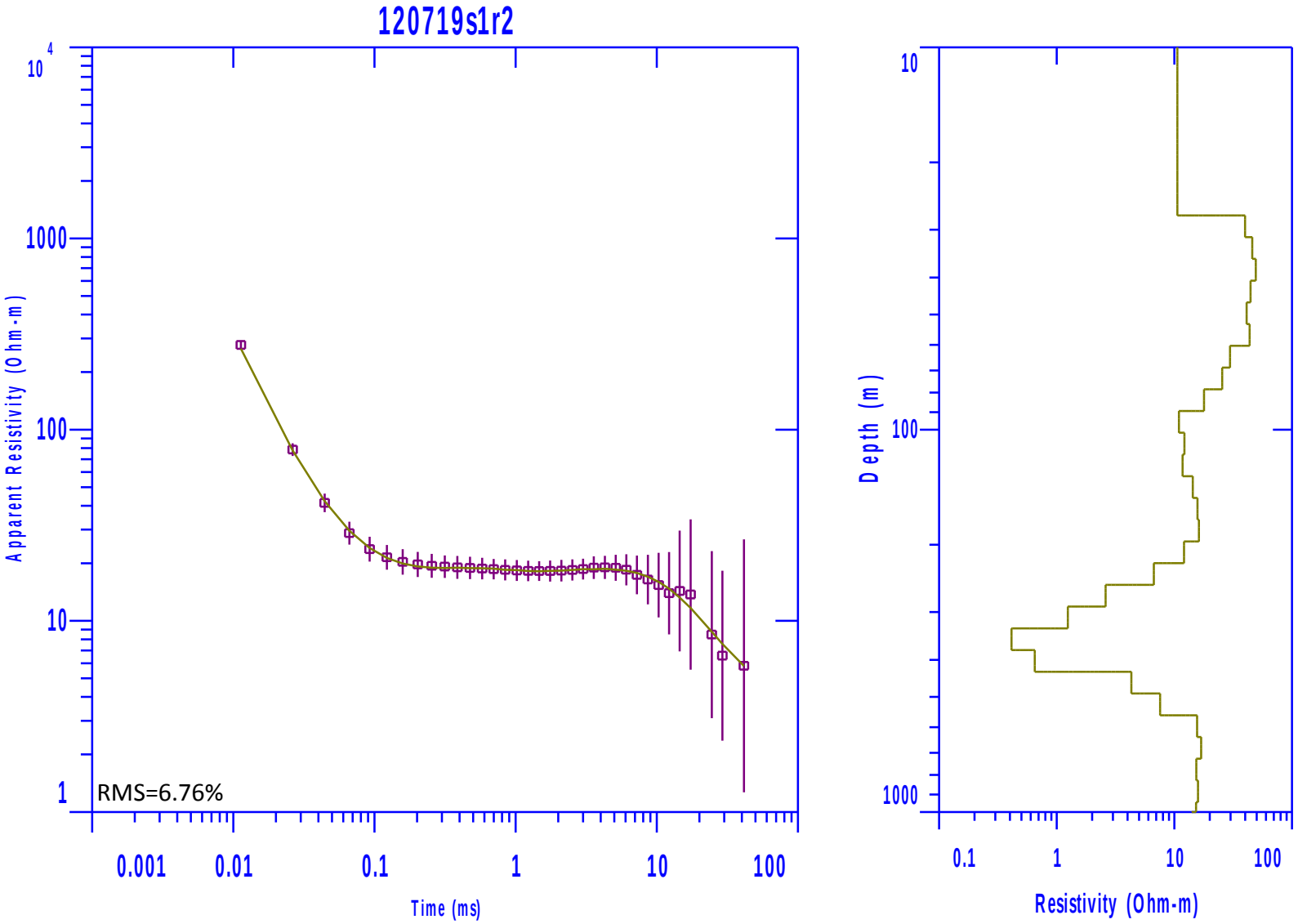
10
100
Resistivity (Ohm-m)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Apparent Resistivity (Ohm-m)
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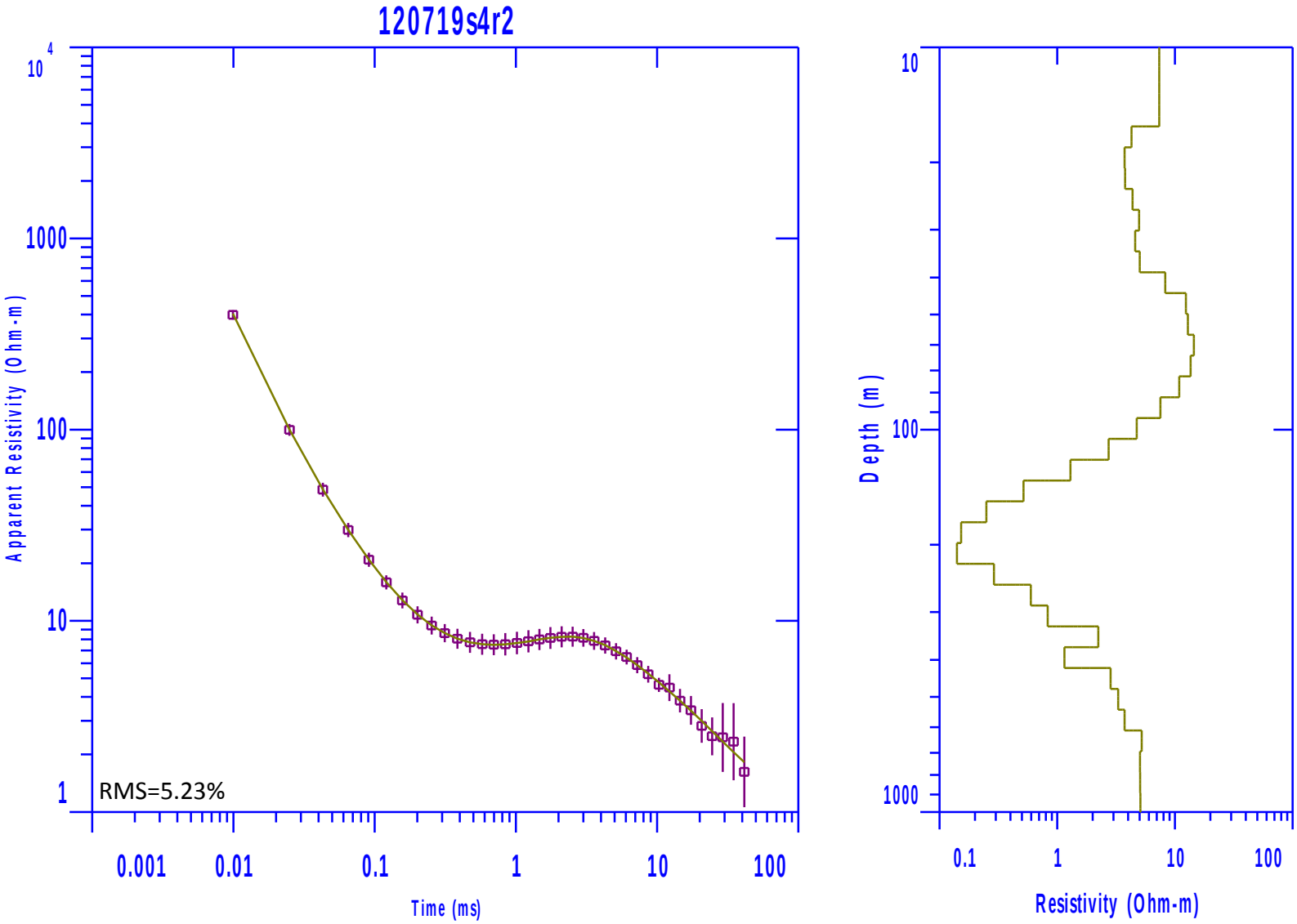
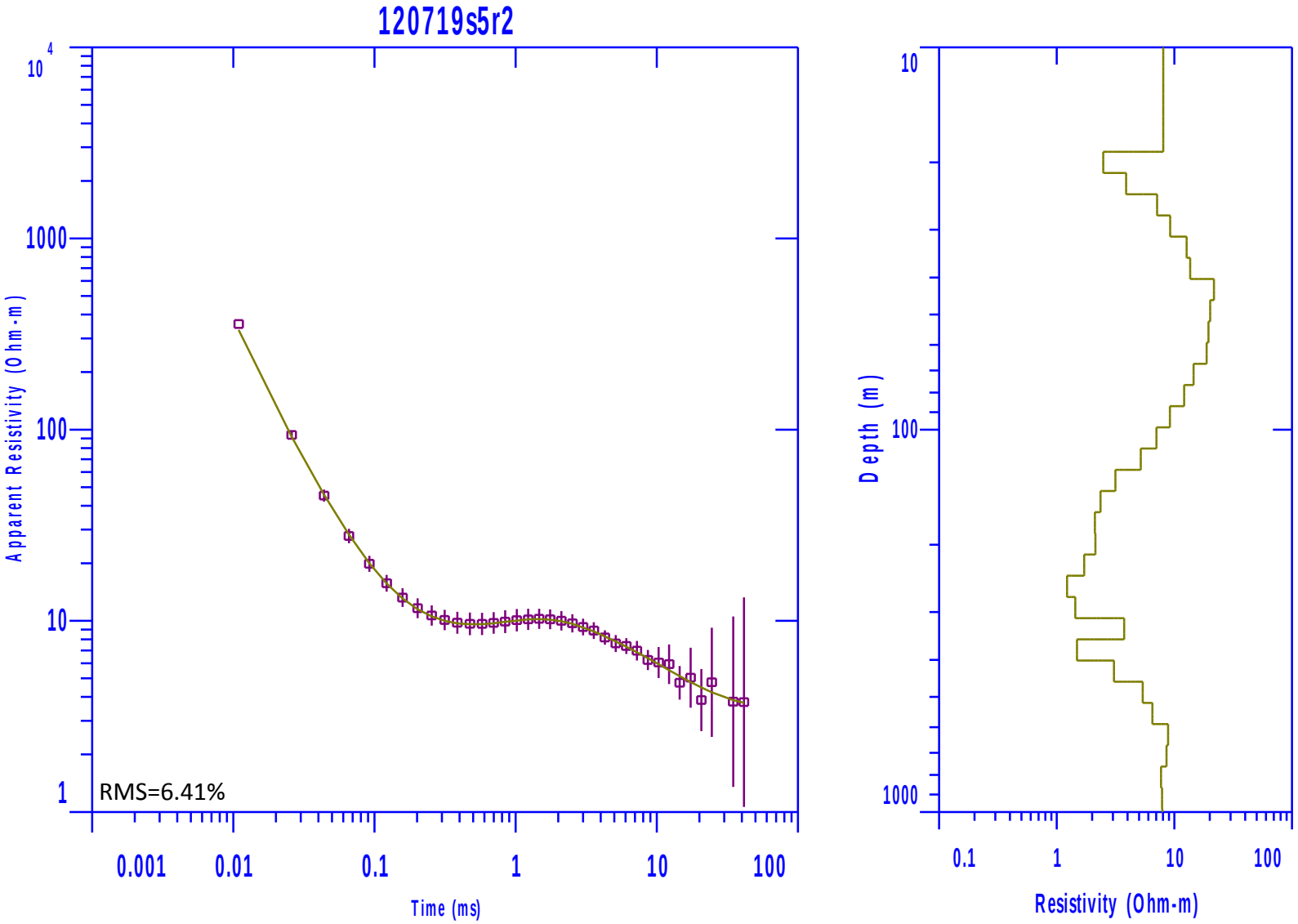
1000
100
10
1
RMS=6.76%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)


120719s4r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=5.23%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)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Apparent Resistivity (Ohm-m)
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100
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1
RMS=6.41%
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10
100
Time (ms)
Depth (m)
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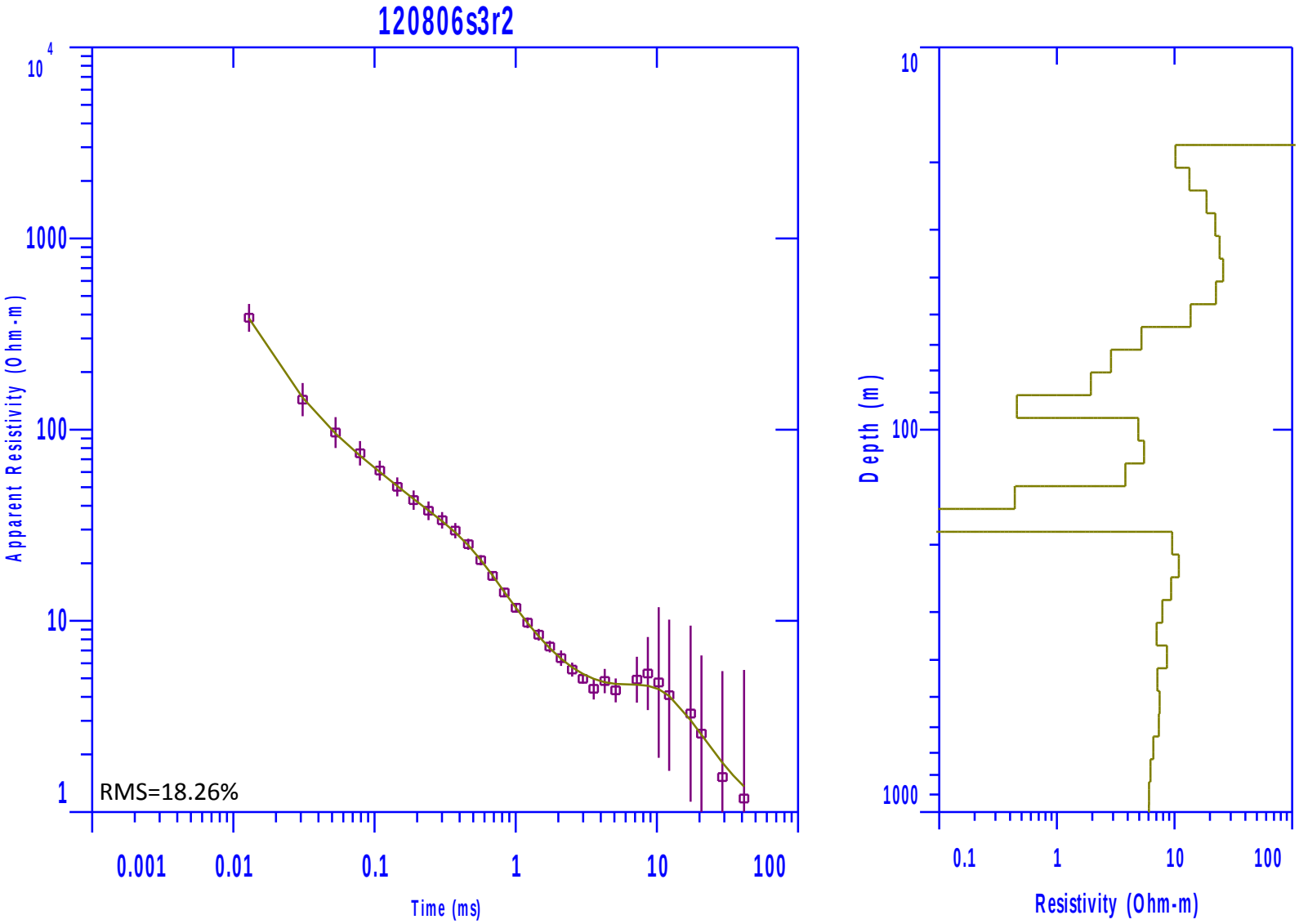
100
1000
0.1
1
10
100
Resistivity (Ohm-m)


120806s3r2
Apparent Resistivity (Ohm-m)
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1000
100
10
1
RMS=18.26%
0.001
0.01
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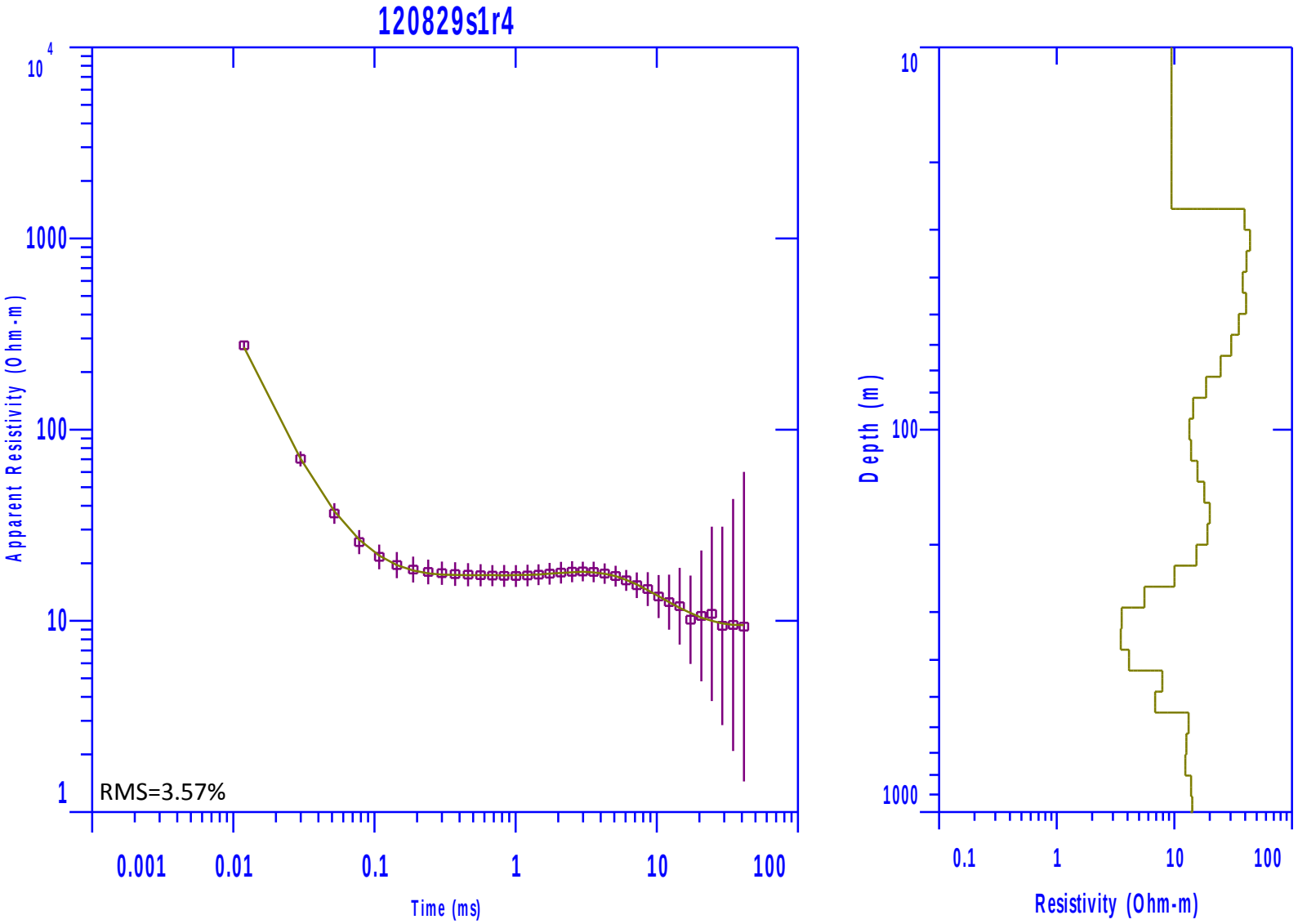
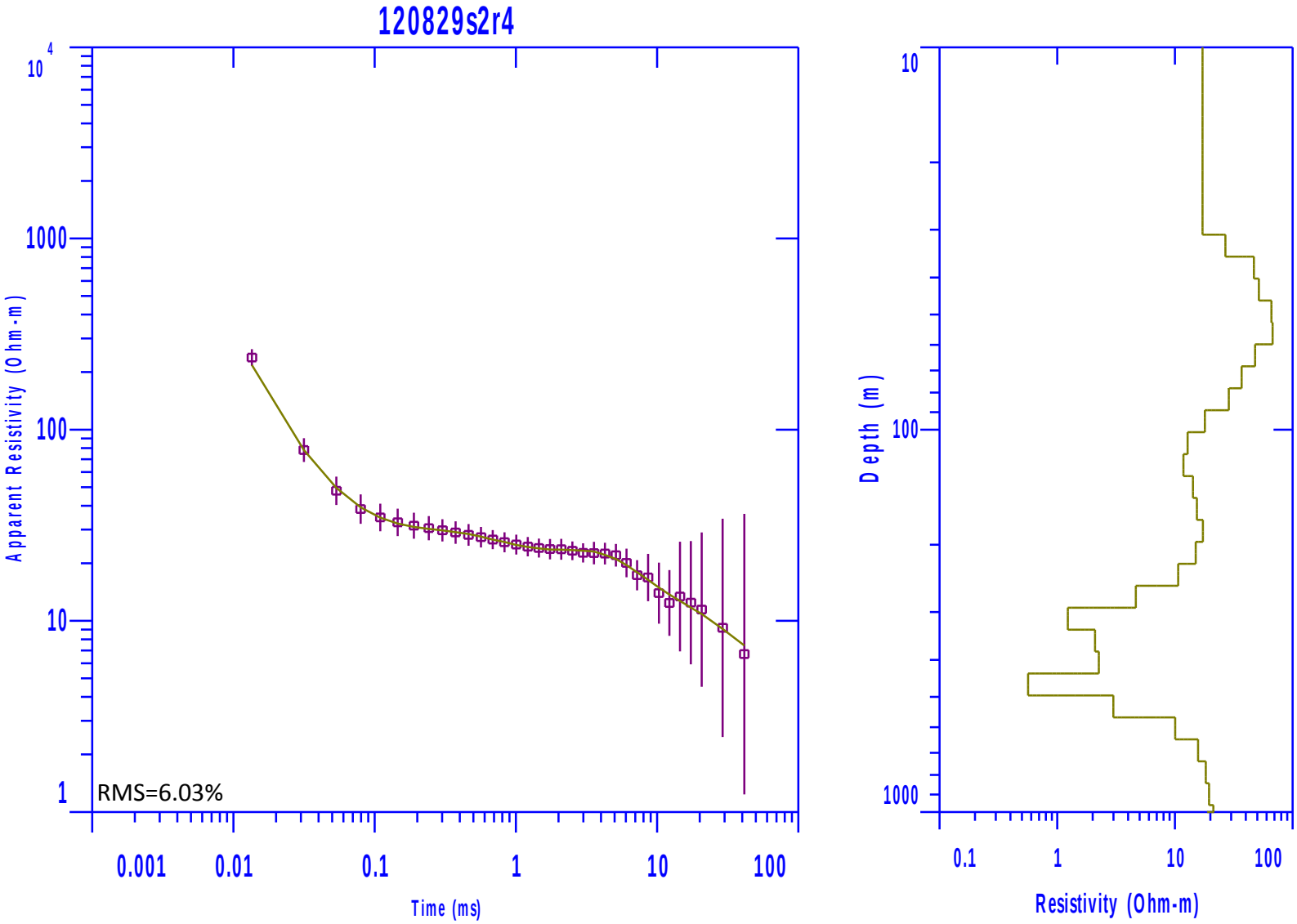
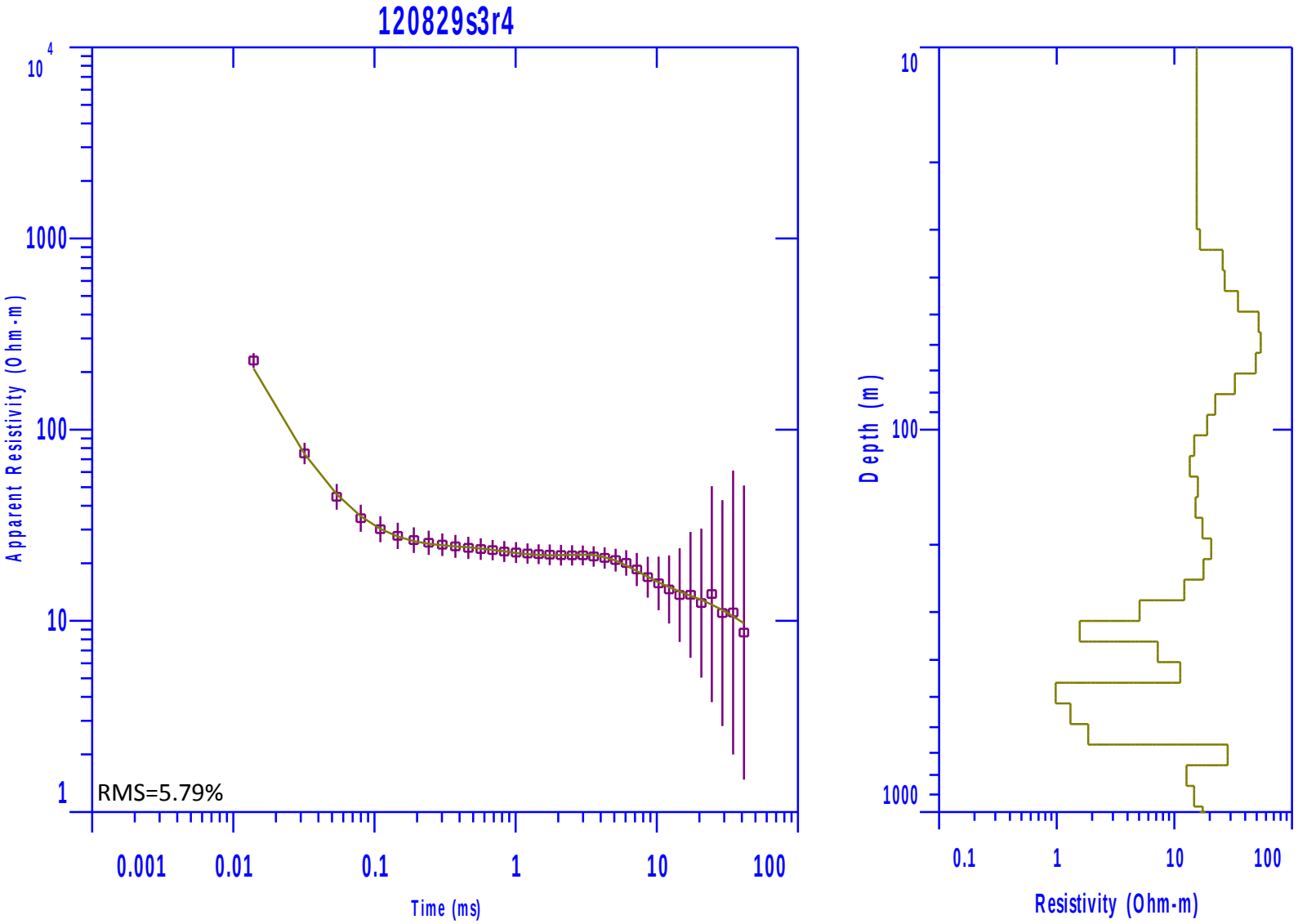
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)


120829s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.57%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)


120829s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=6.03%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)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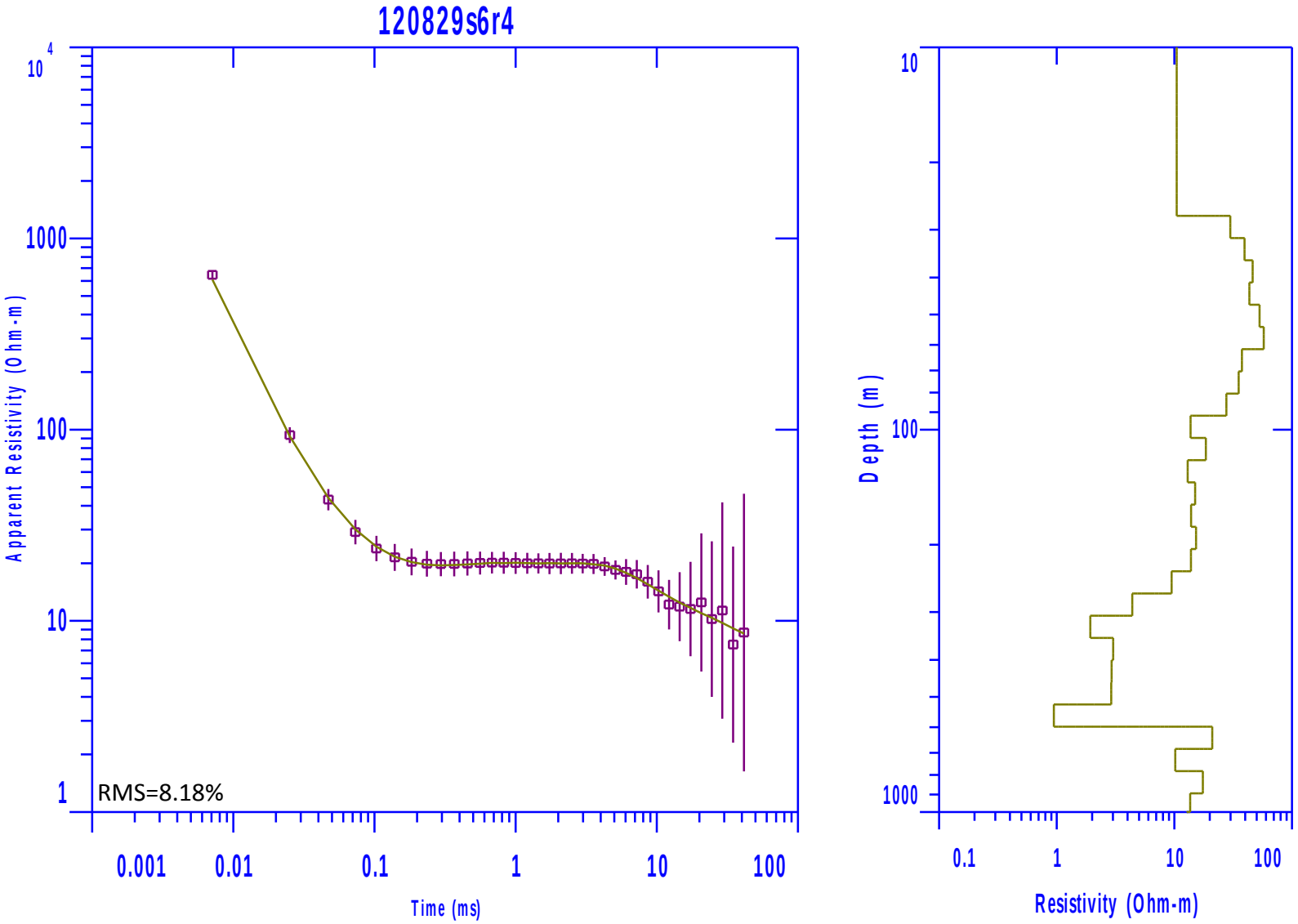
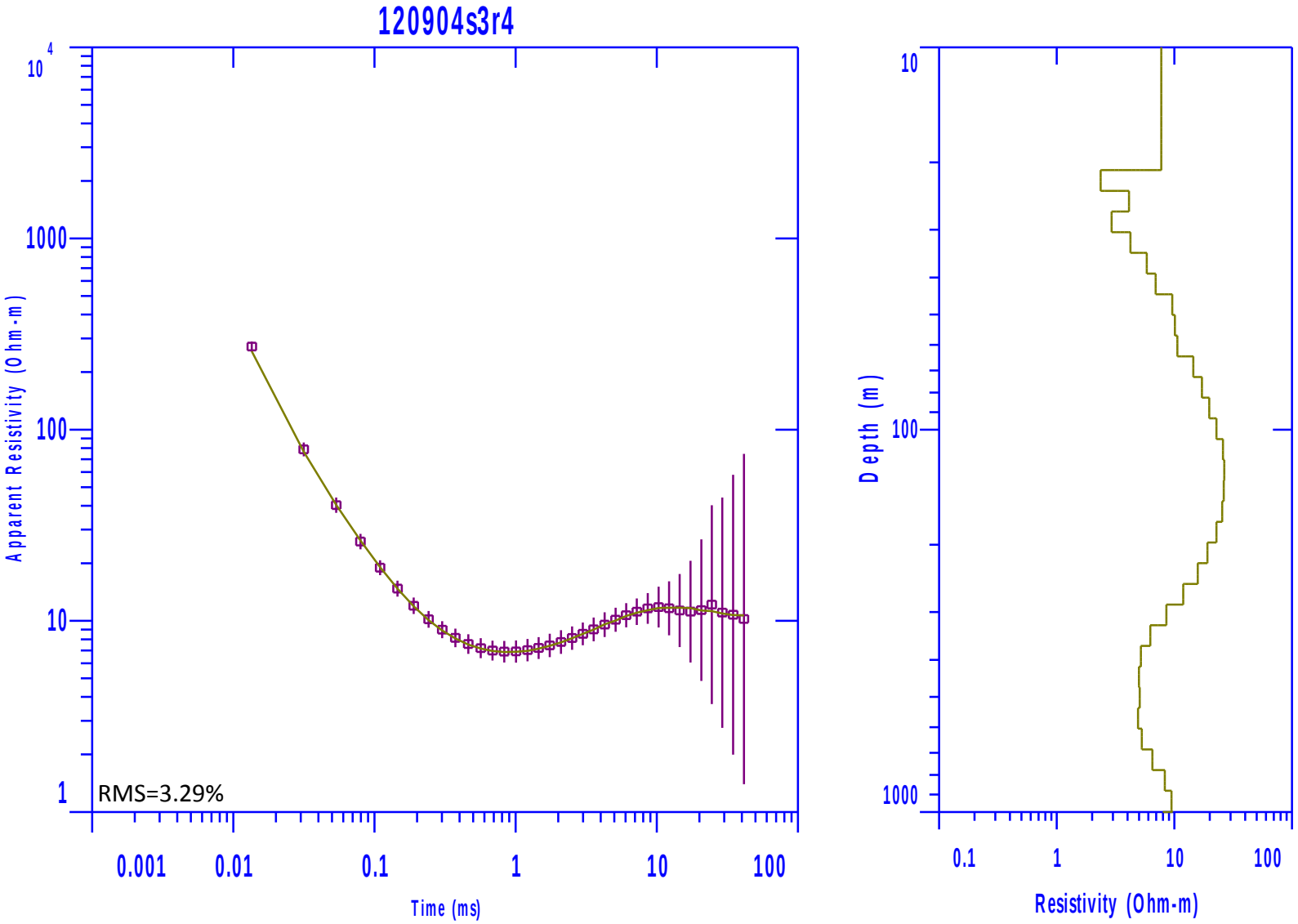
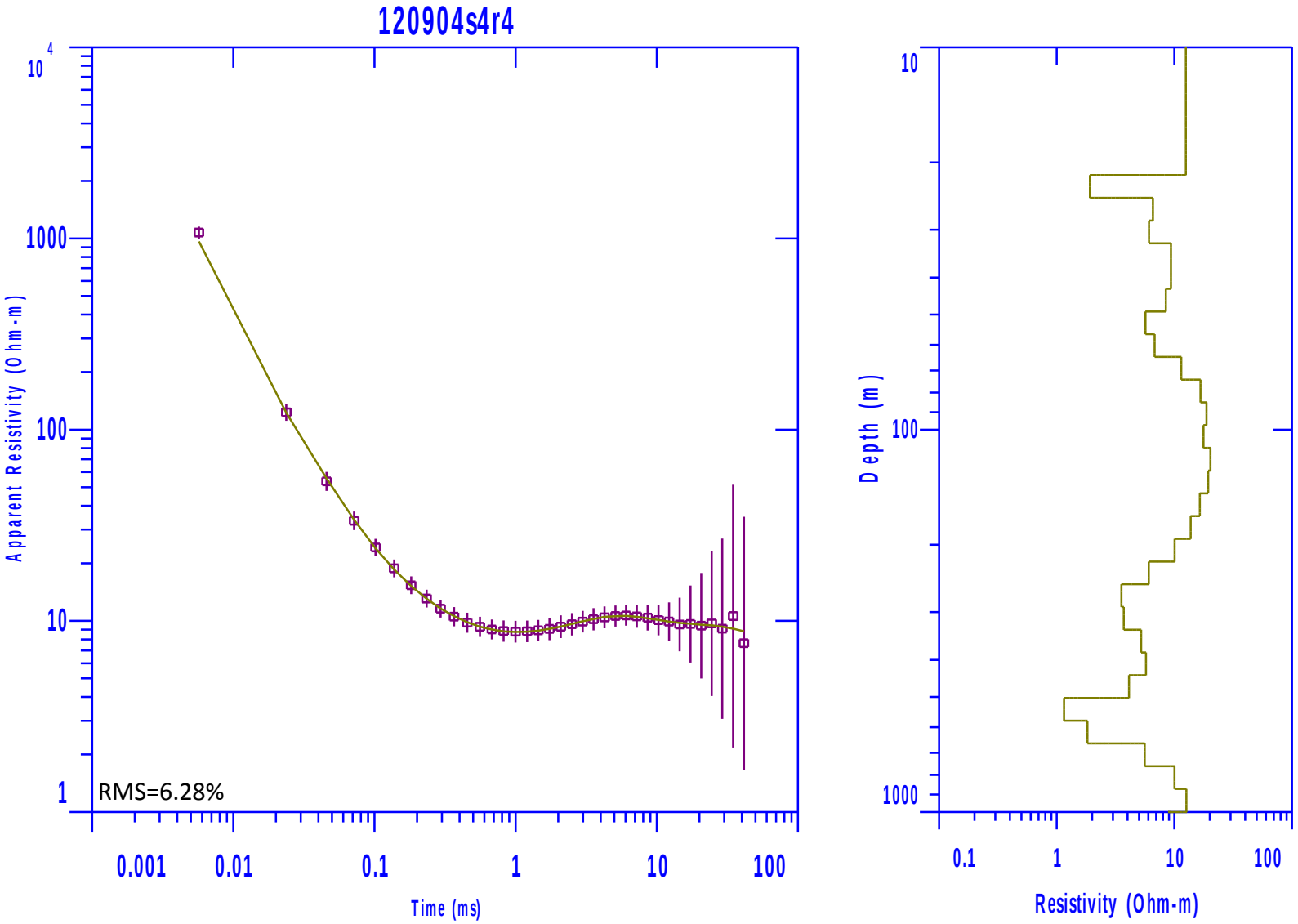
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=5.79%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)


120829s6r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=8.18%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)


120904s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.29%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)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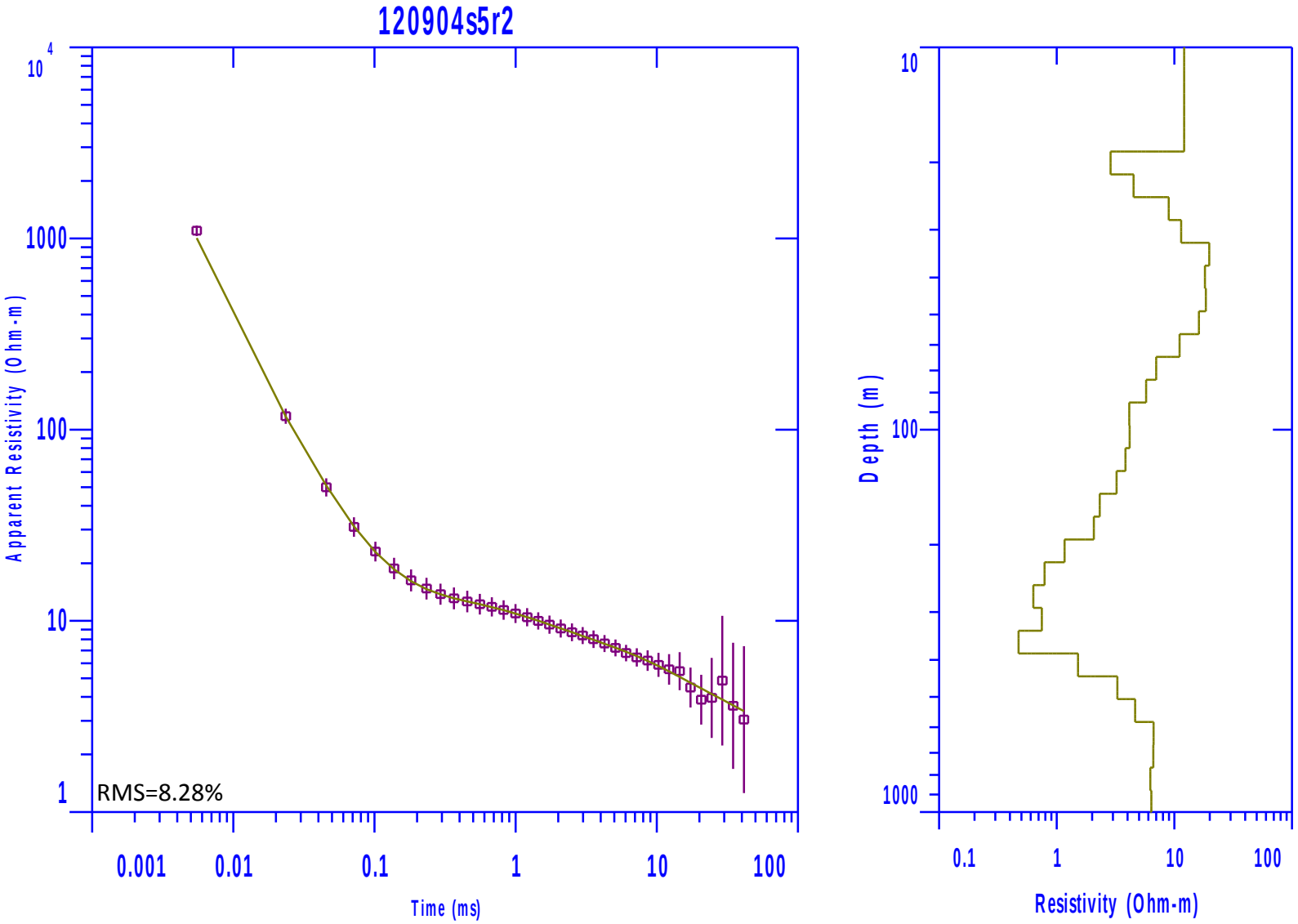
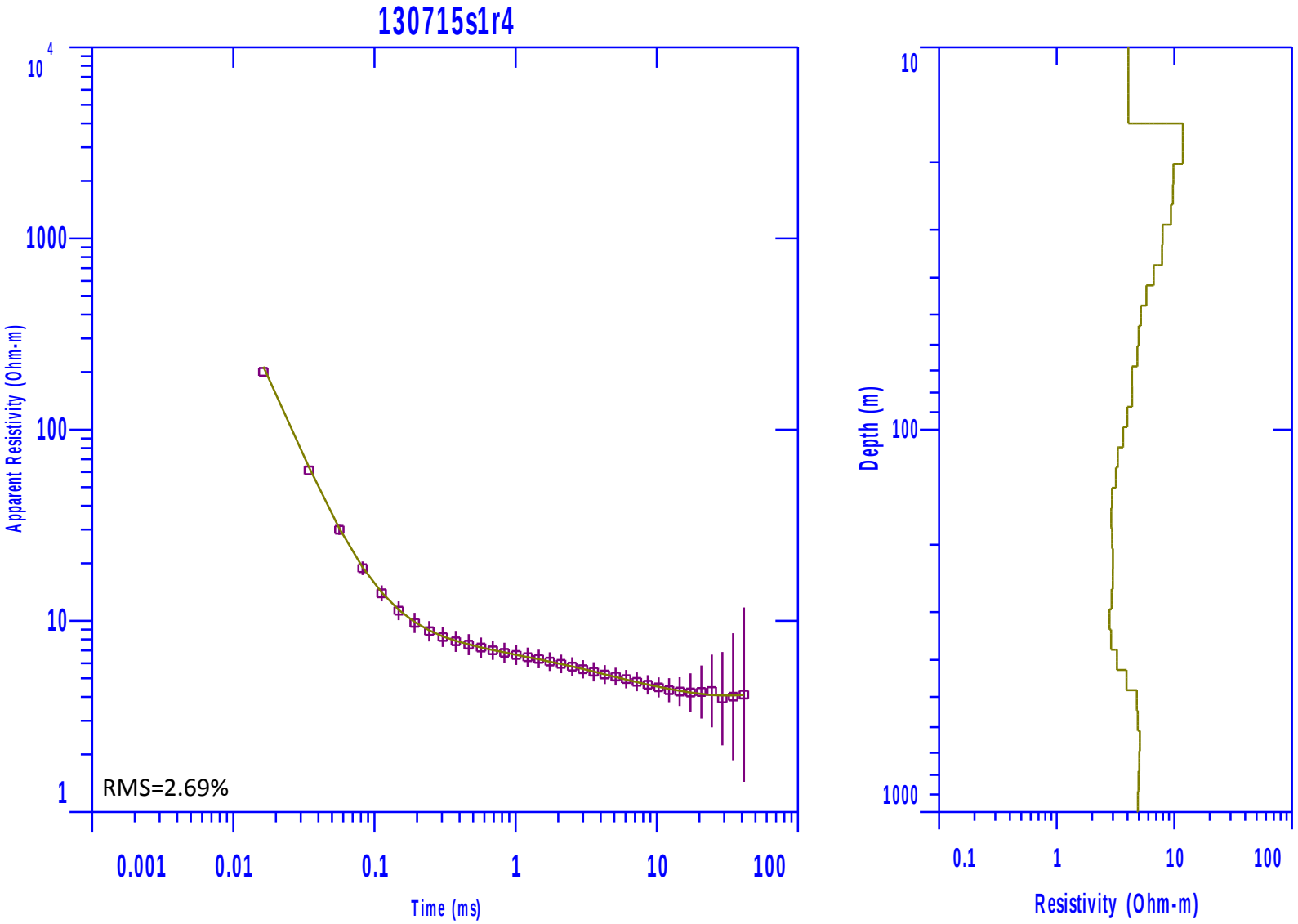
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=6.28%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)


120904s5r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=8.28%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)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Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.69%
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0.01
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100
Time (ms)
Depth (m)
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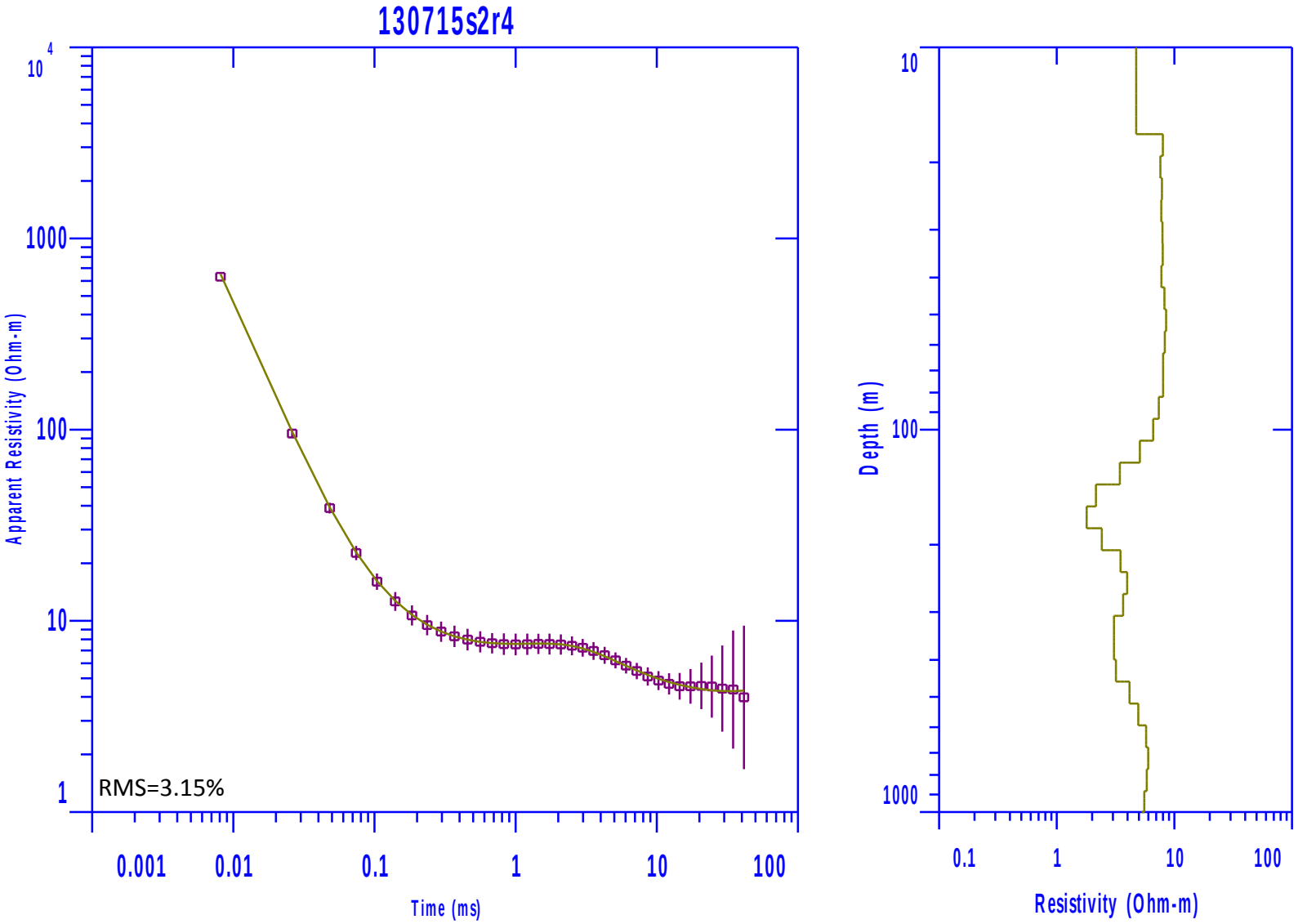
100
Resistivity (Ohm-m)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Apparent Resistivity (Ohm-m)
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10
1
RMS=3.15%
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0.01
0.1
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100
Time (ms)
Depth (m)
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10
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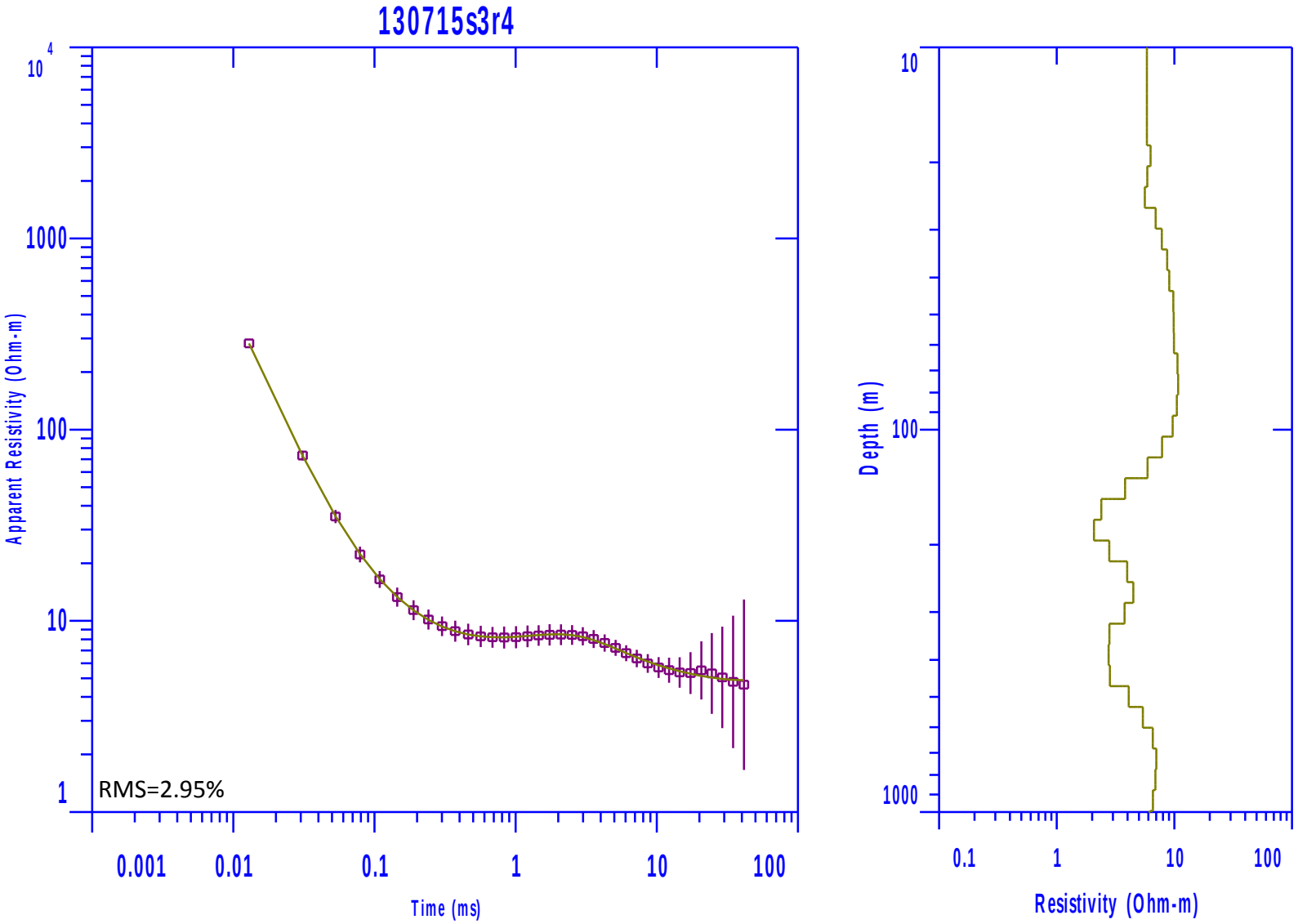
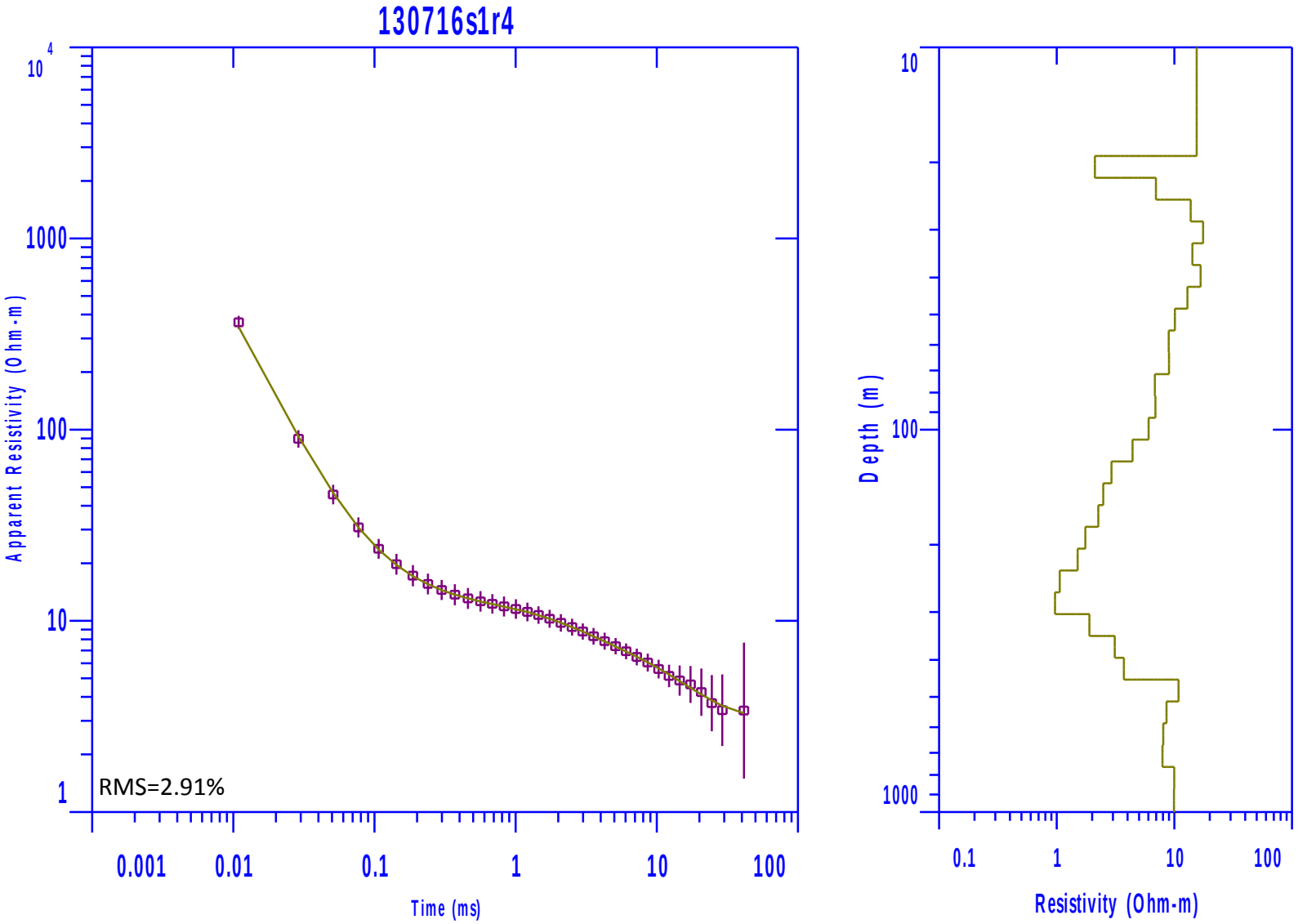
Resistivity (Ohm-m)


130715s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.95%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)


130716s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.91%
0.001
0.01
0.1
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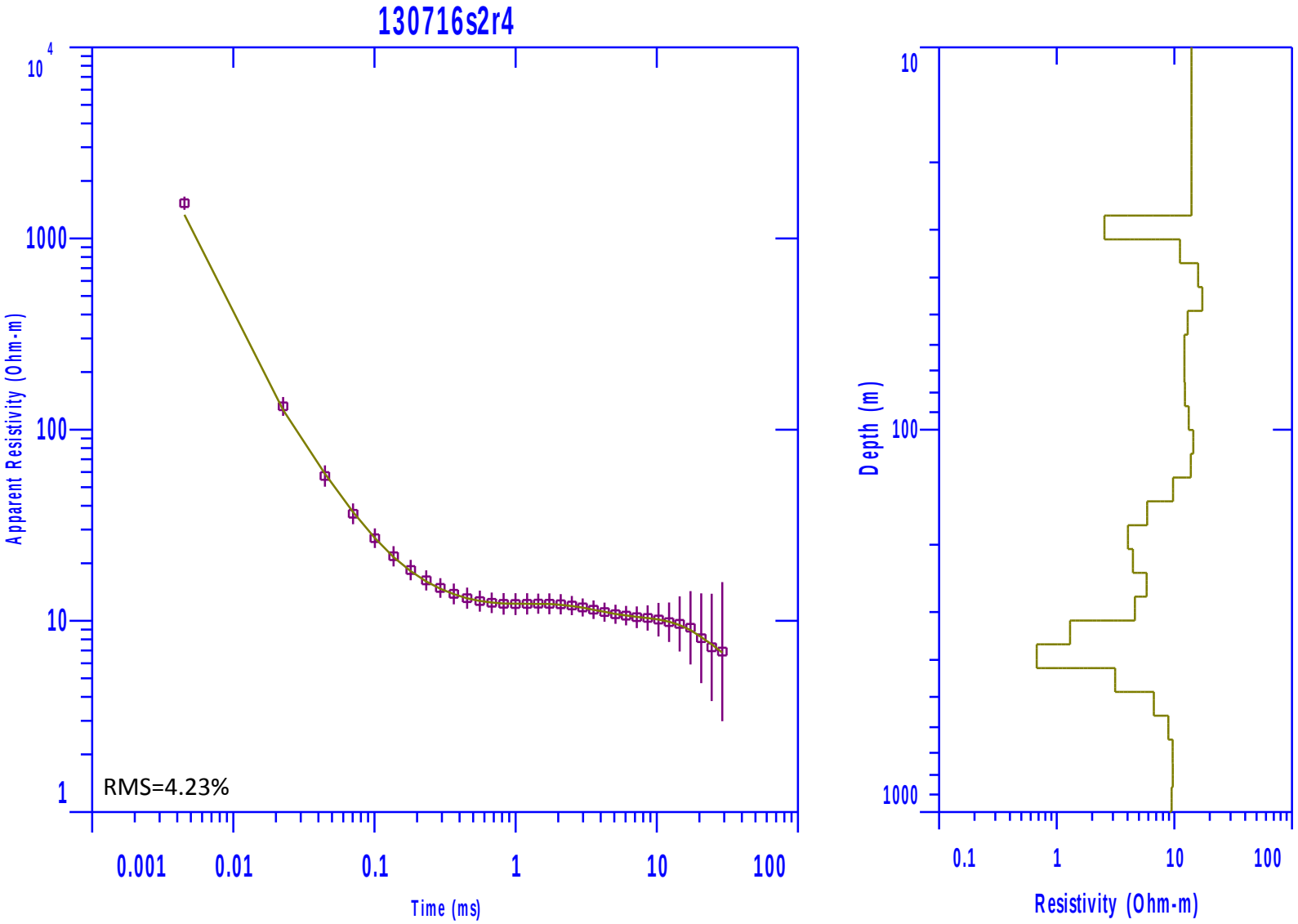
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)


130716s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.23%
0.001
0.01
0.1
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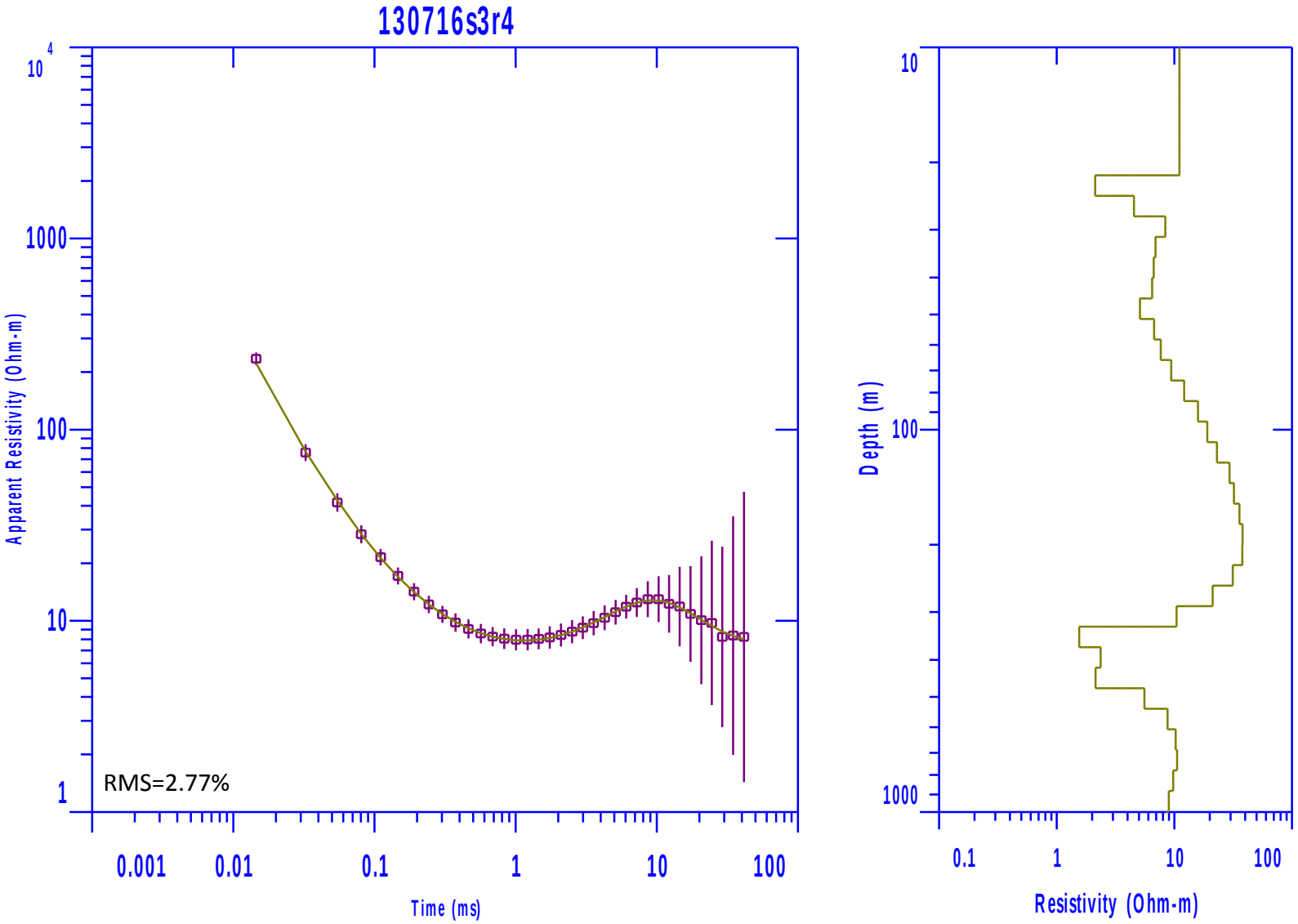
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)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Apparent Resistivity (Ohm-m)
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1000
100
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RMS=2.77%
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0.01
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100
Time (ms)
Depth (m)
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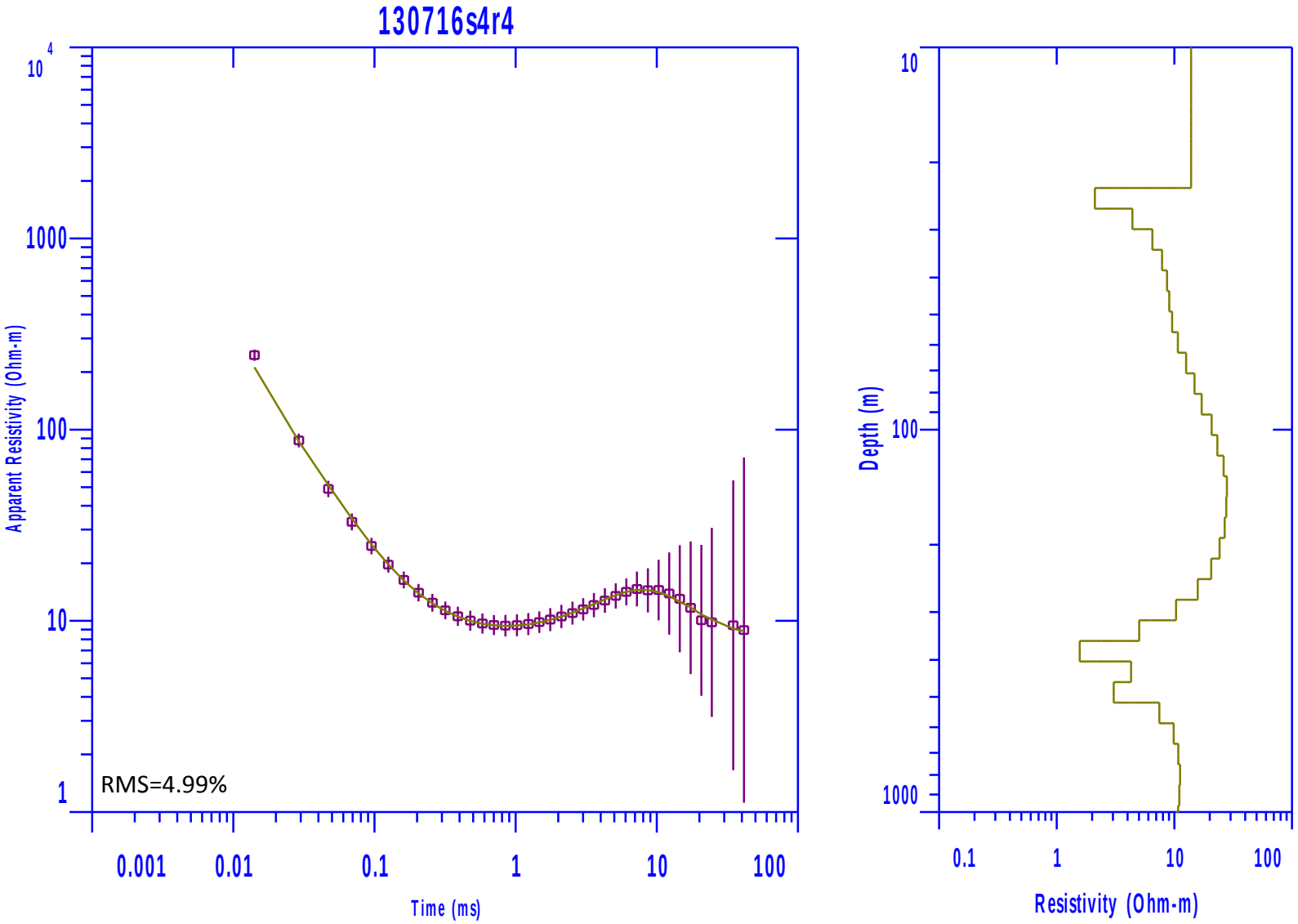
1000
0.1
1
10
100
Resistivity (Ohm-m)


130716s4r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.99%
0.001
0.01
0.1
1
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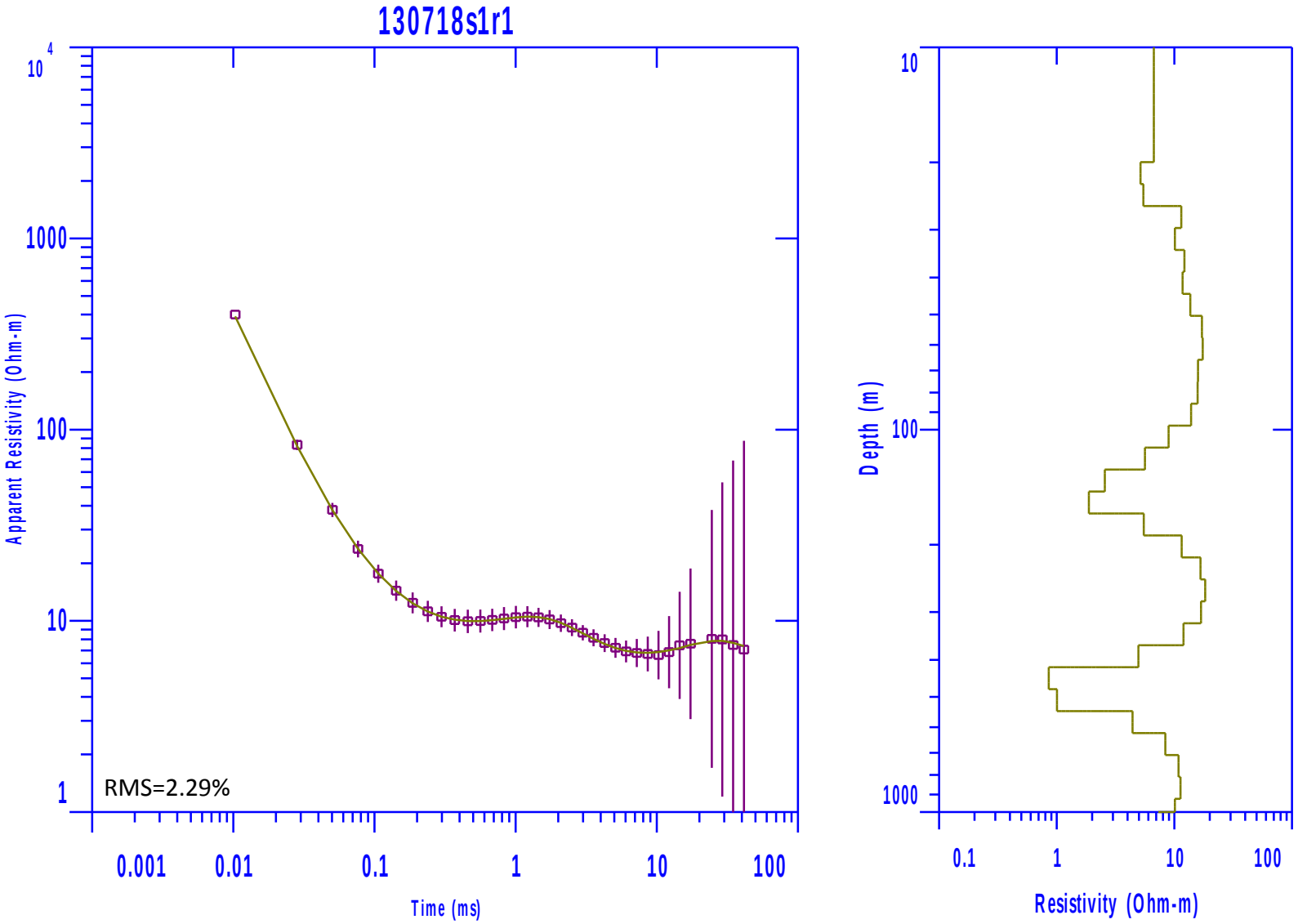
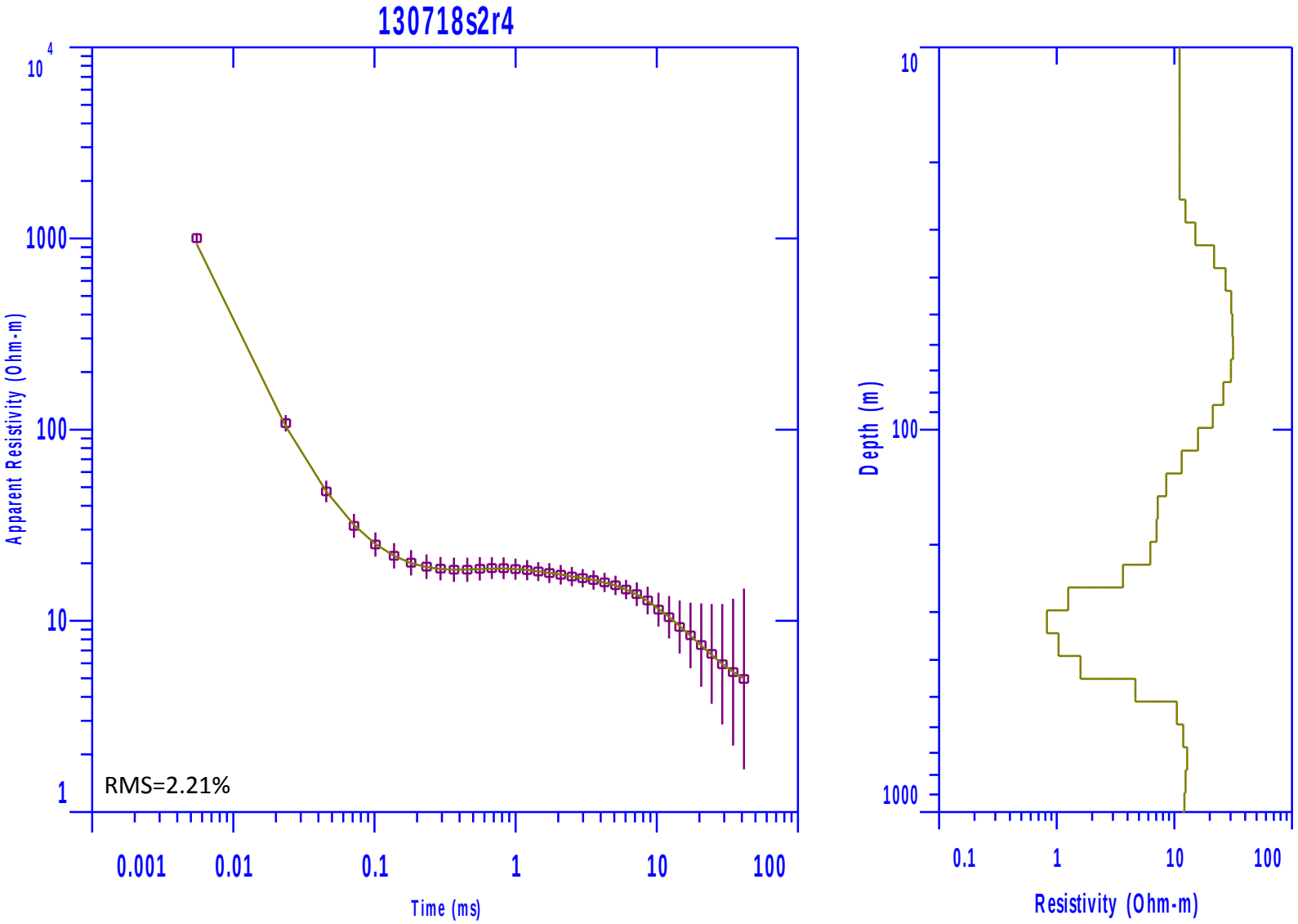
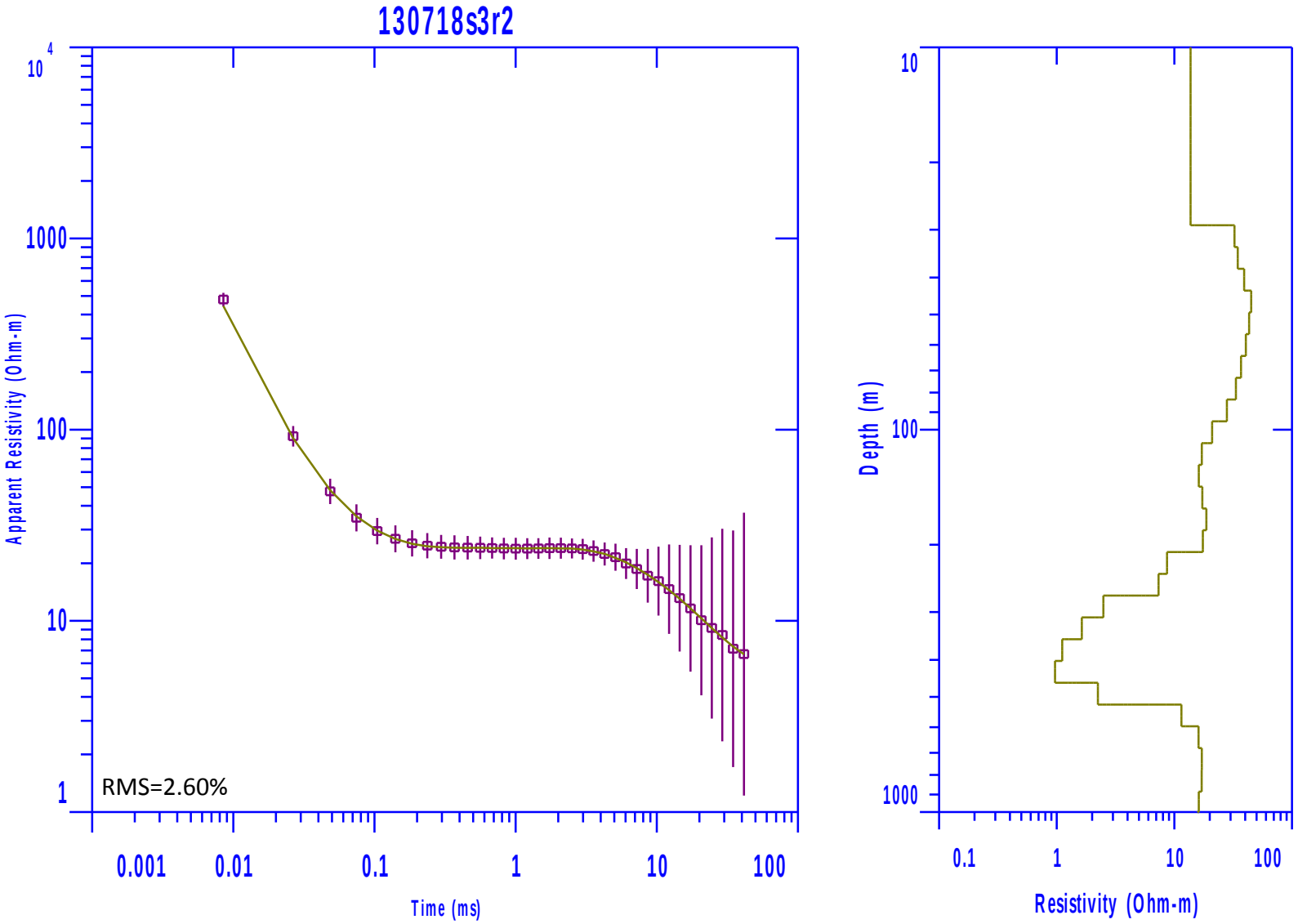
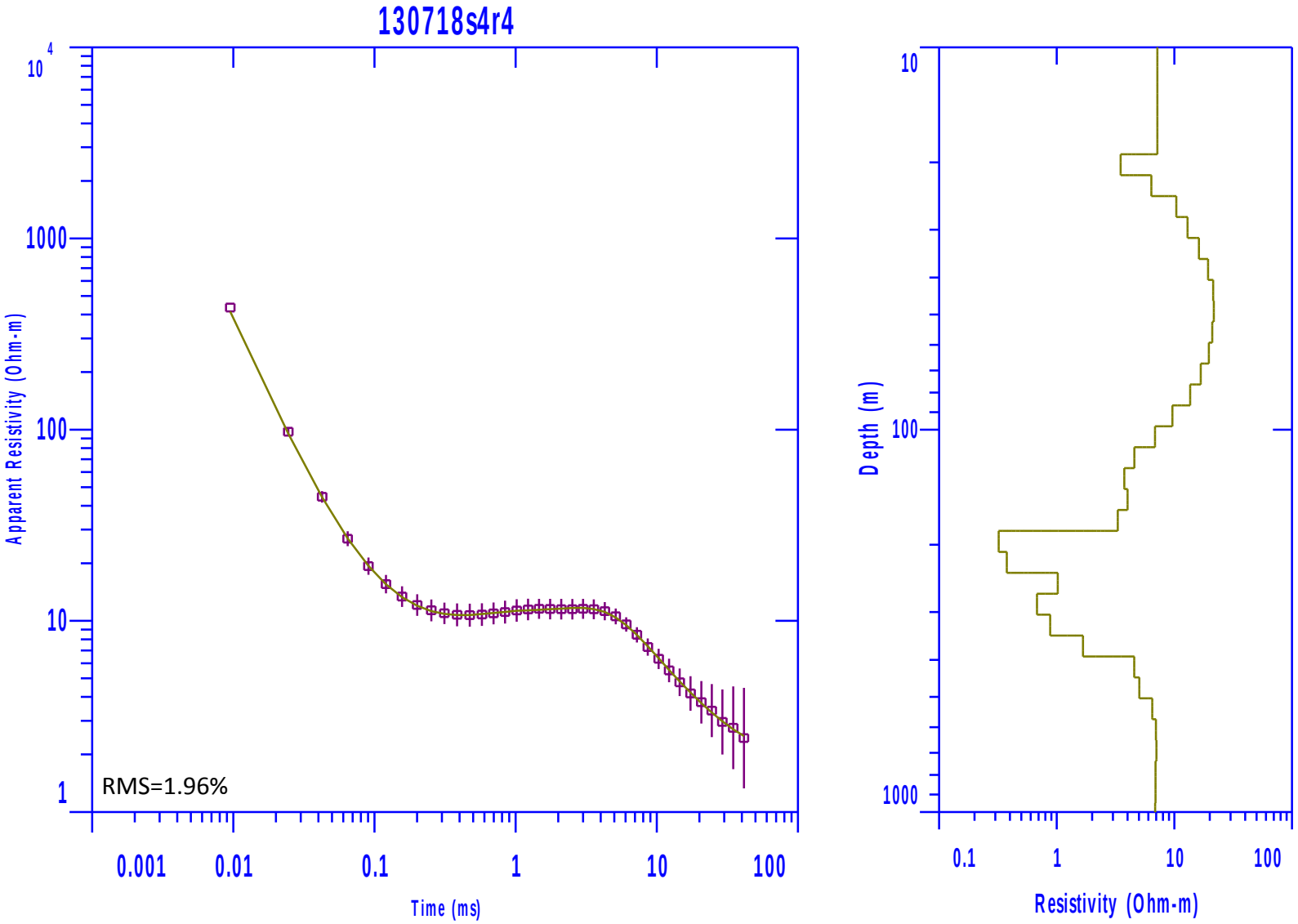
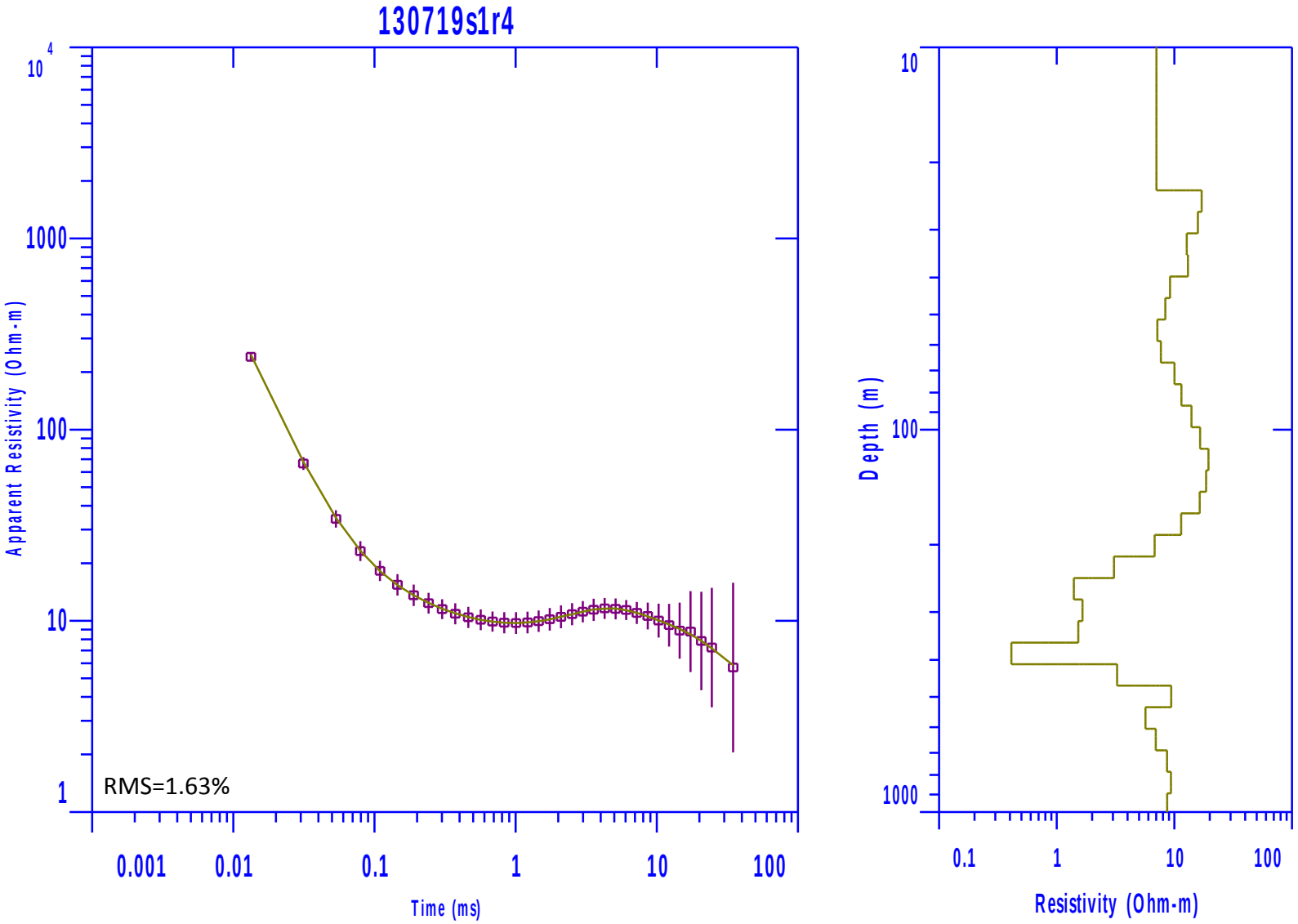
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

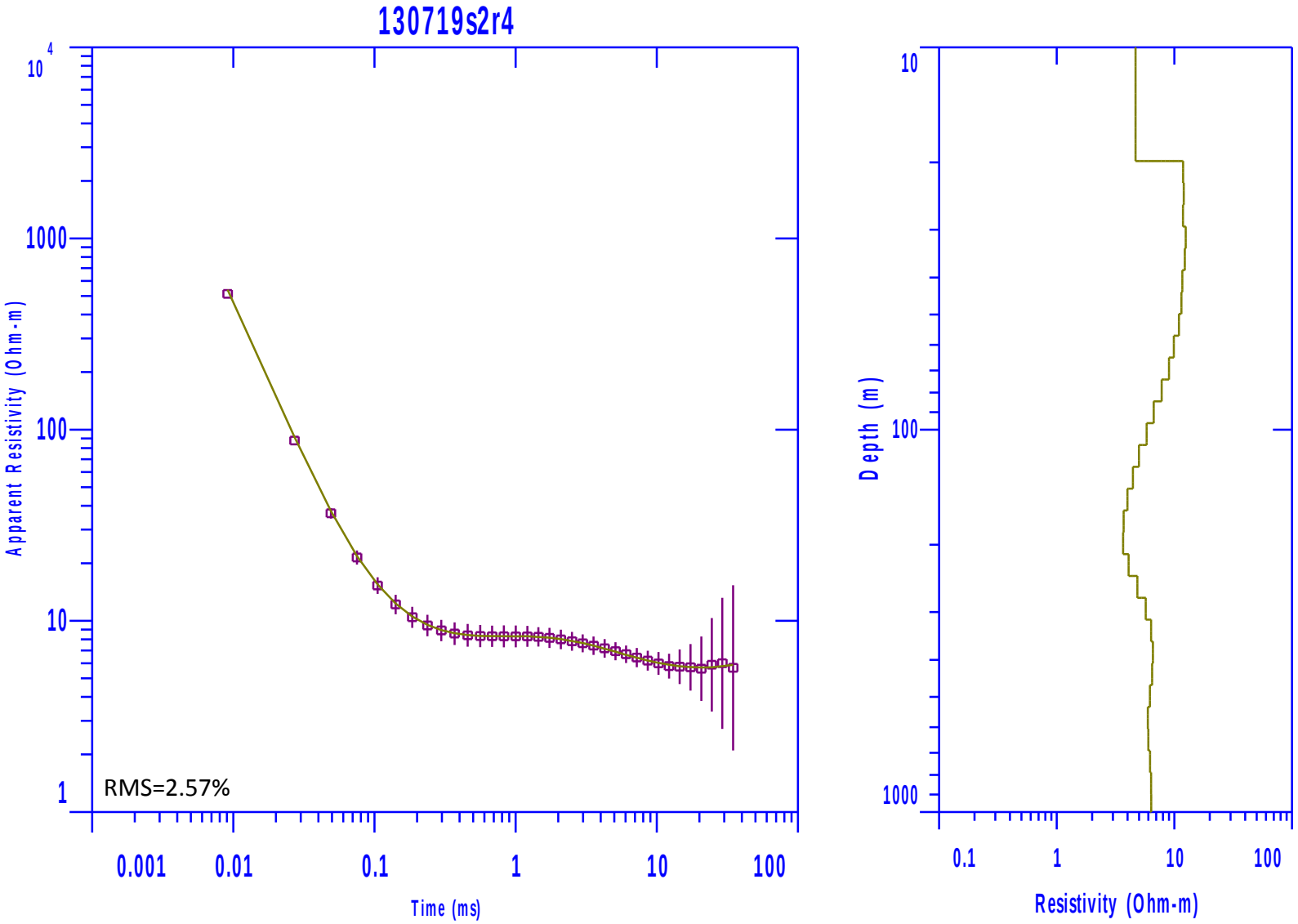

130718s1r1
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.29%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

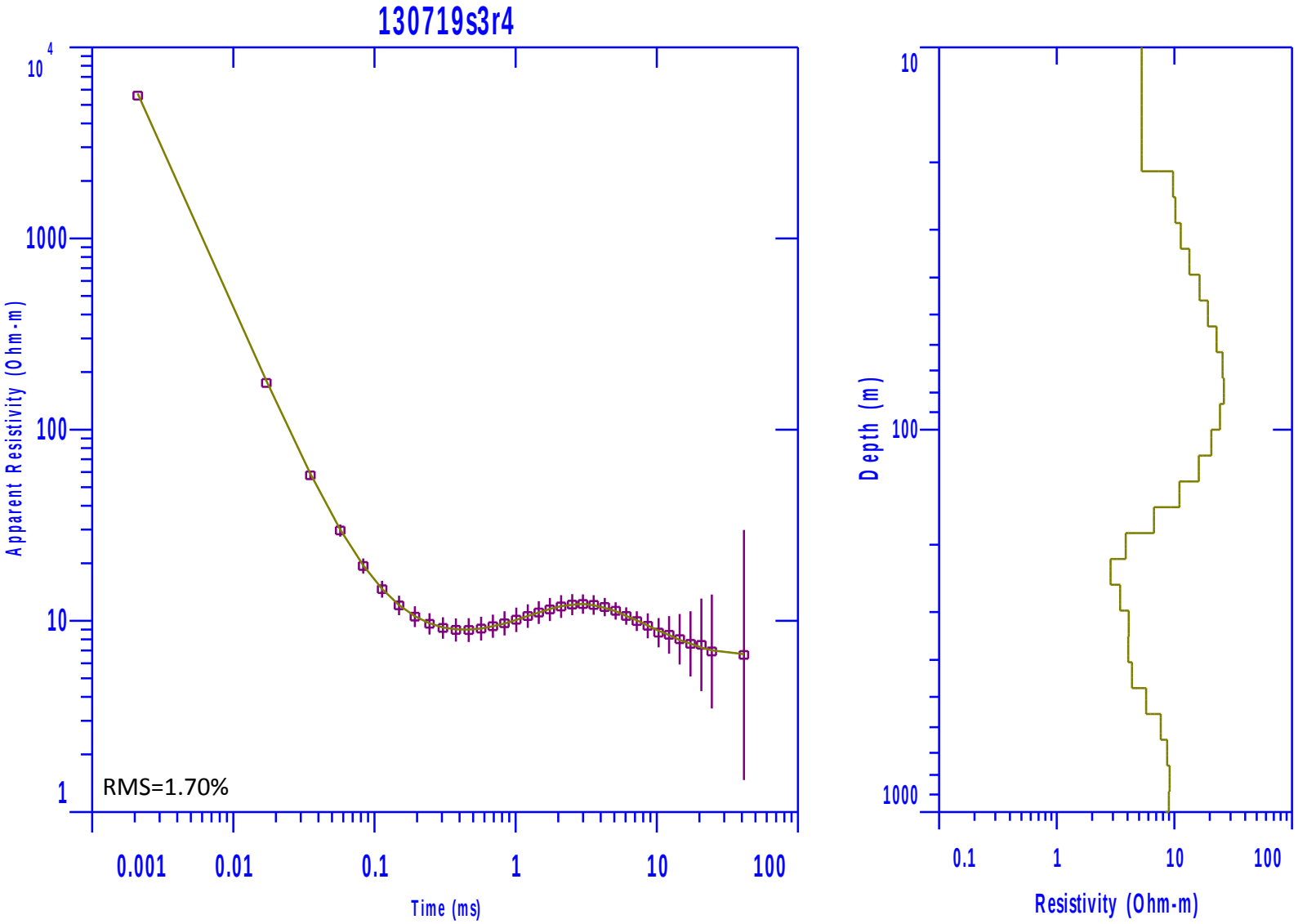

130718s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.21%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

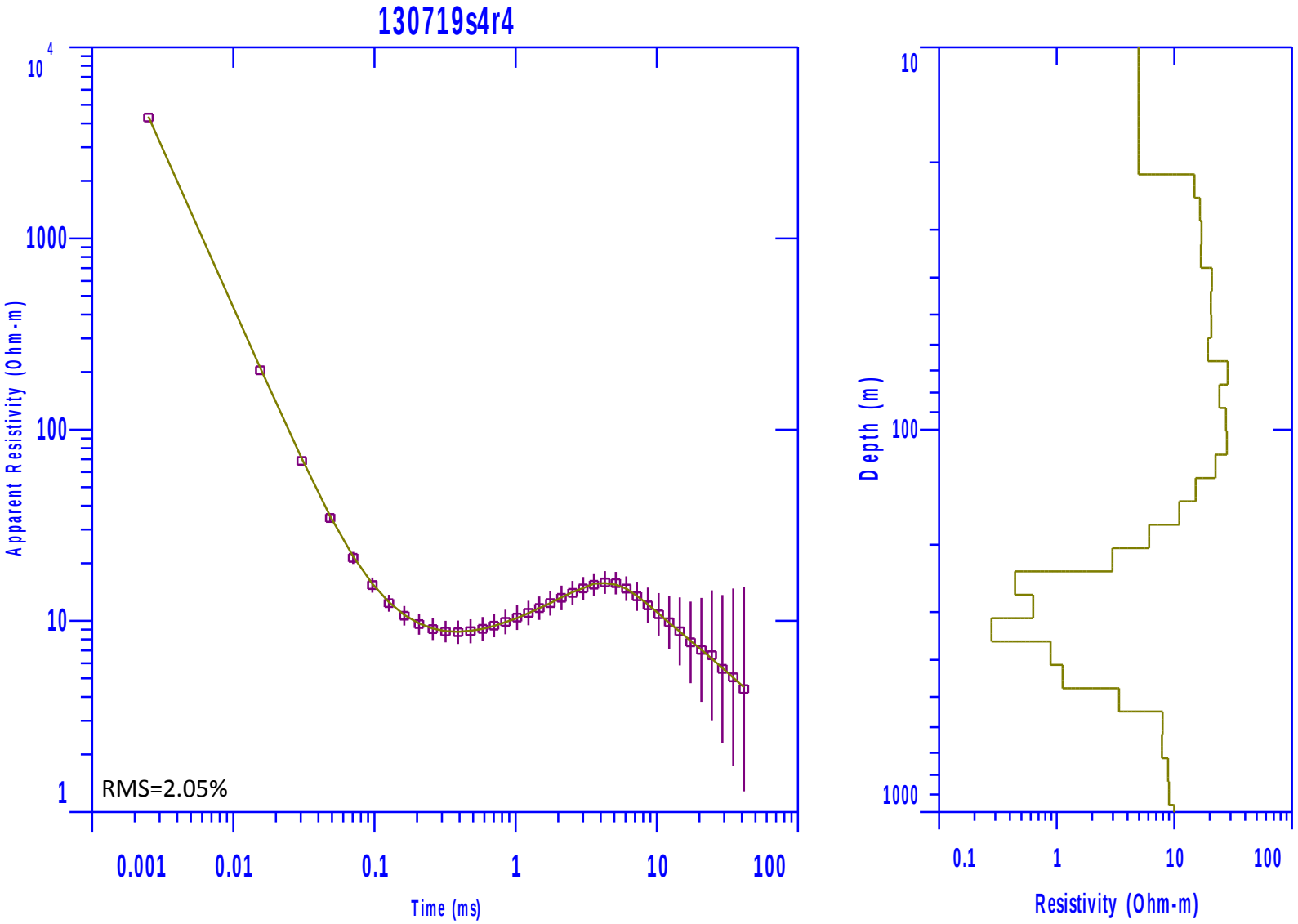

130718s3r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.60%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

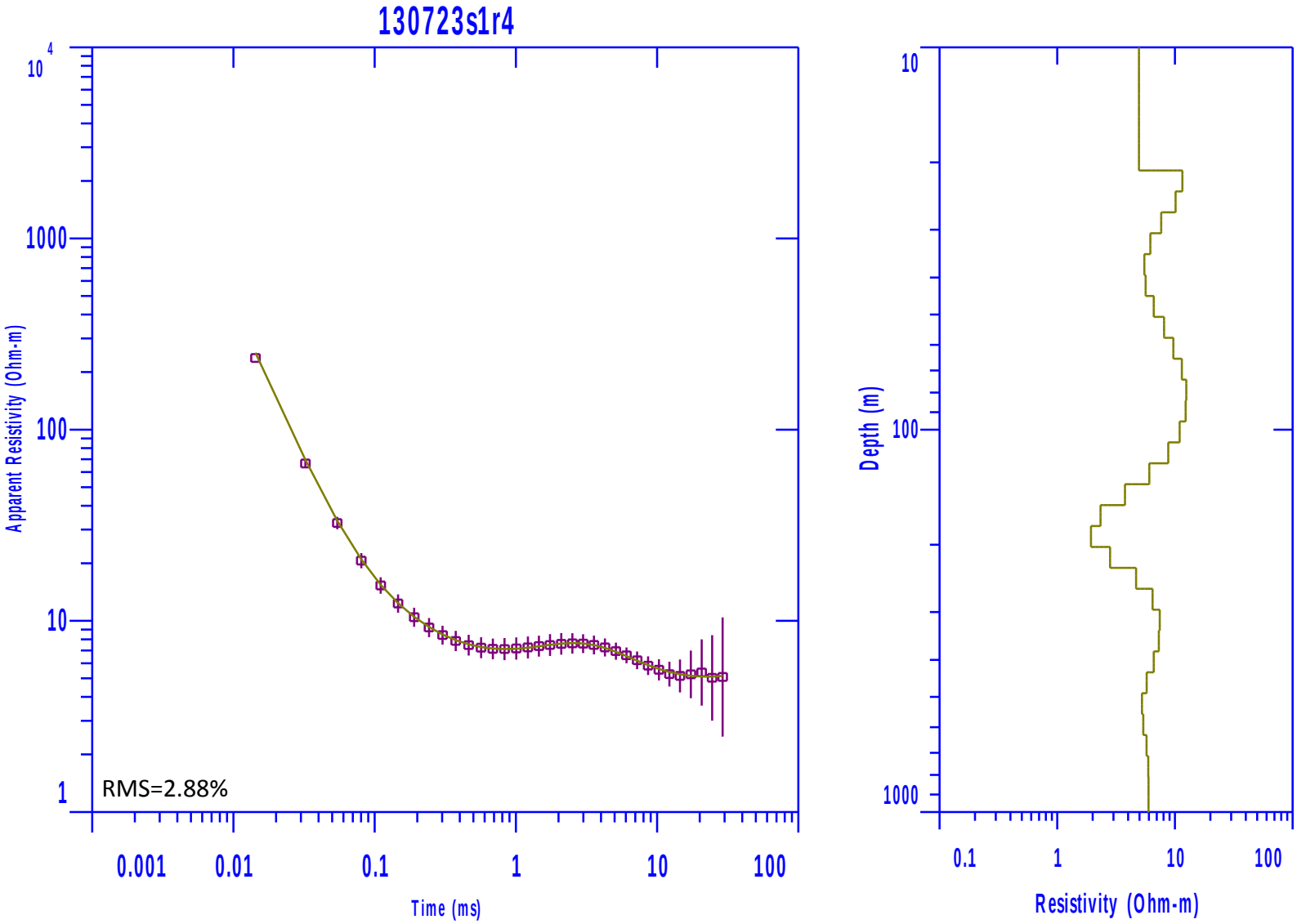

130718s4r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.96%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

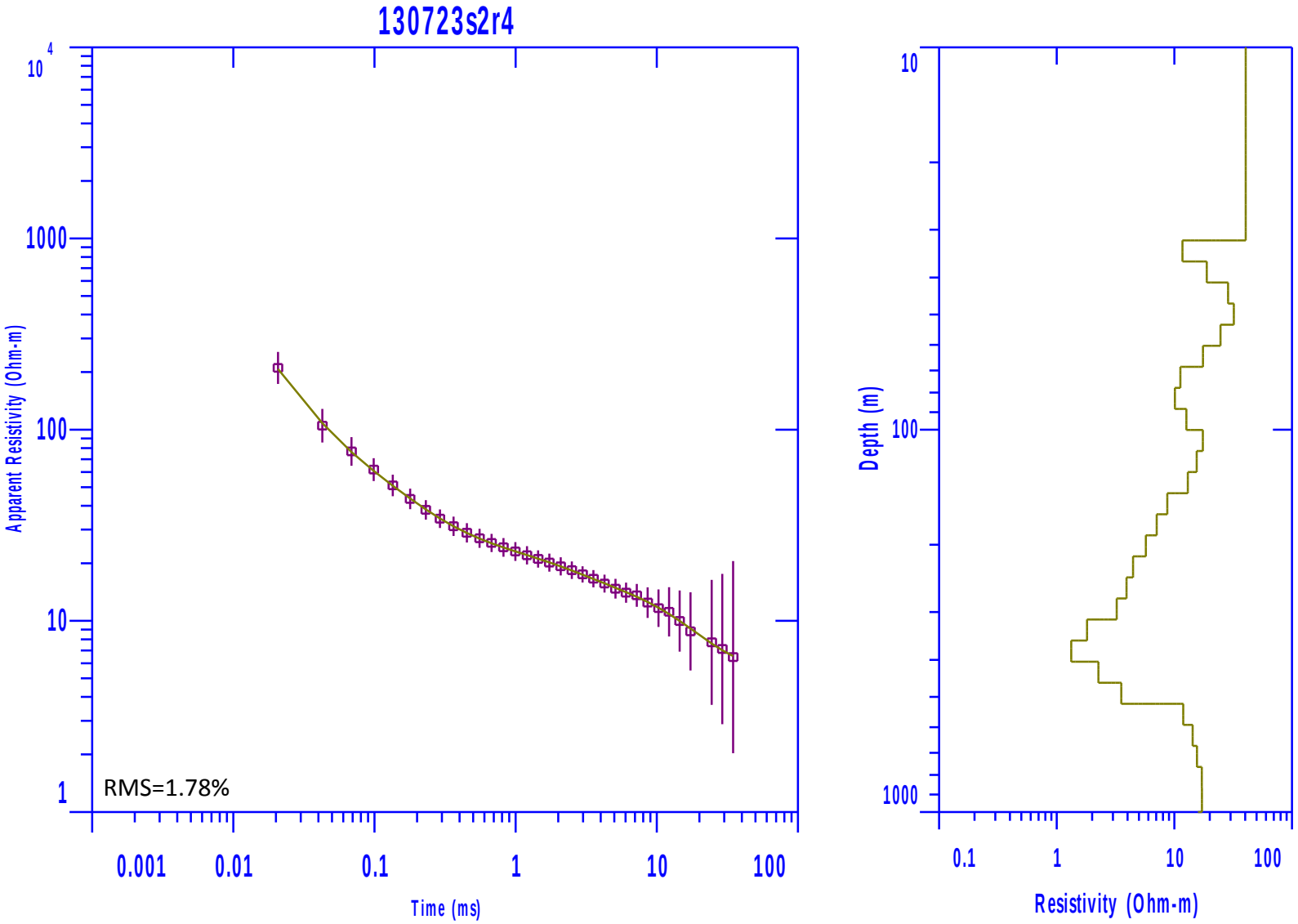

130719s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.63%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

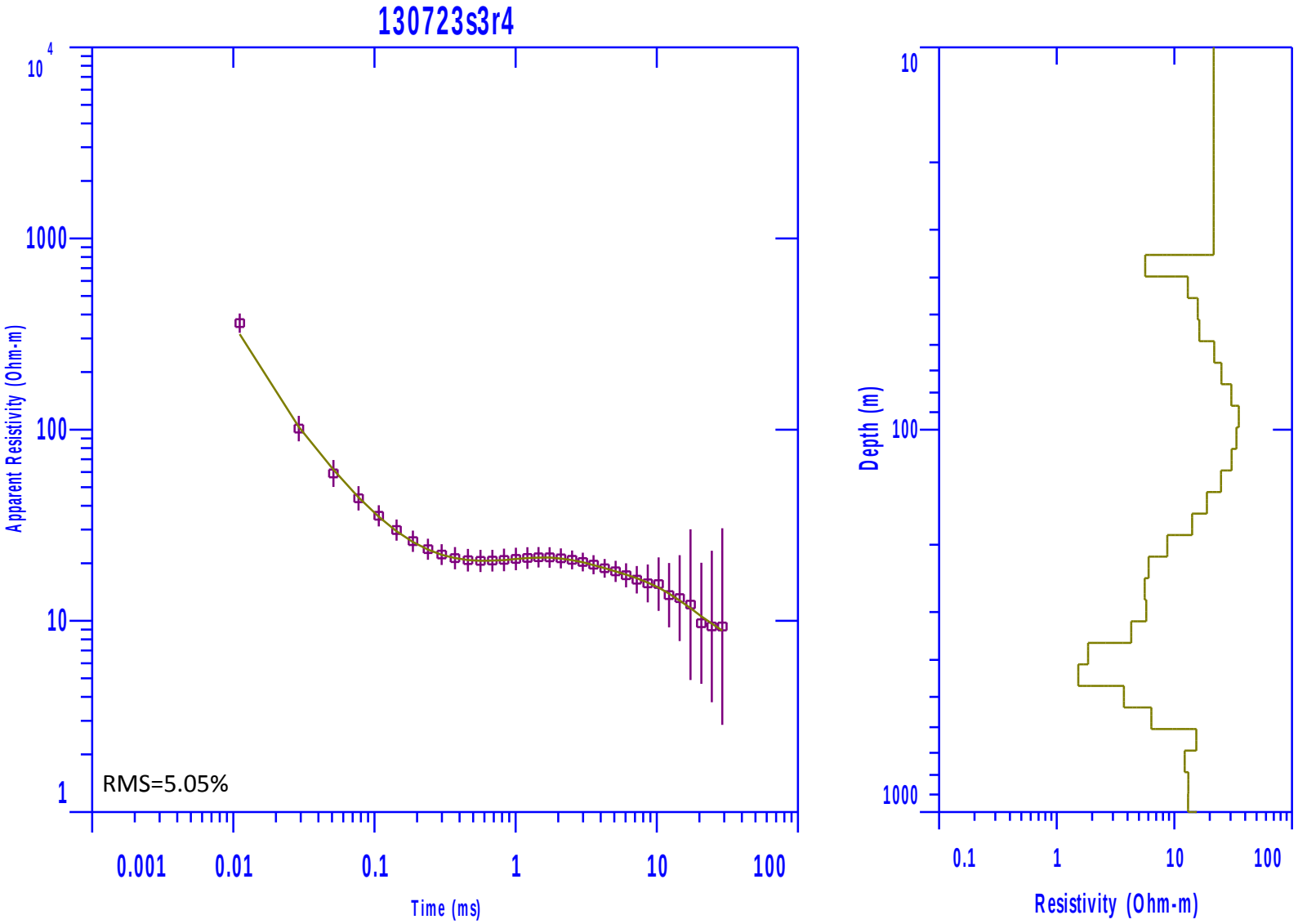

130719s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.57%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

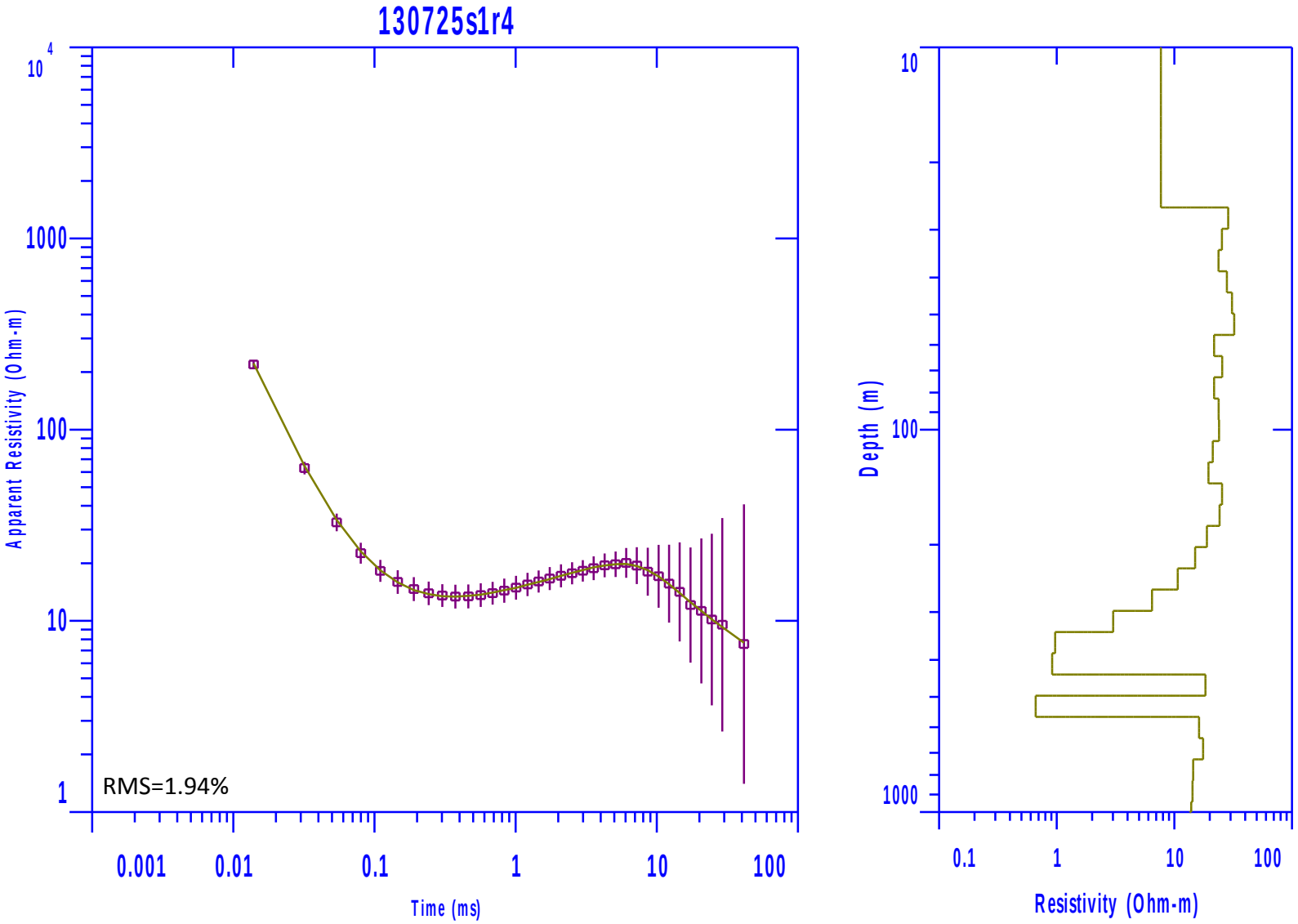

130719s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.70%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

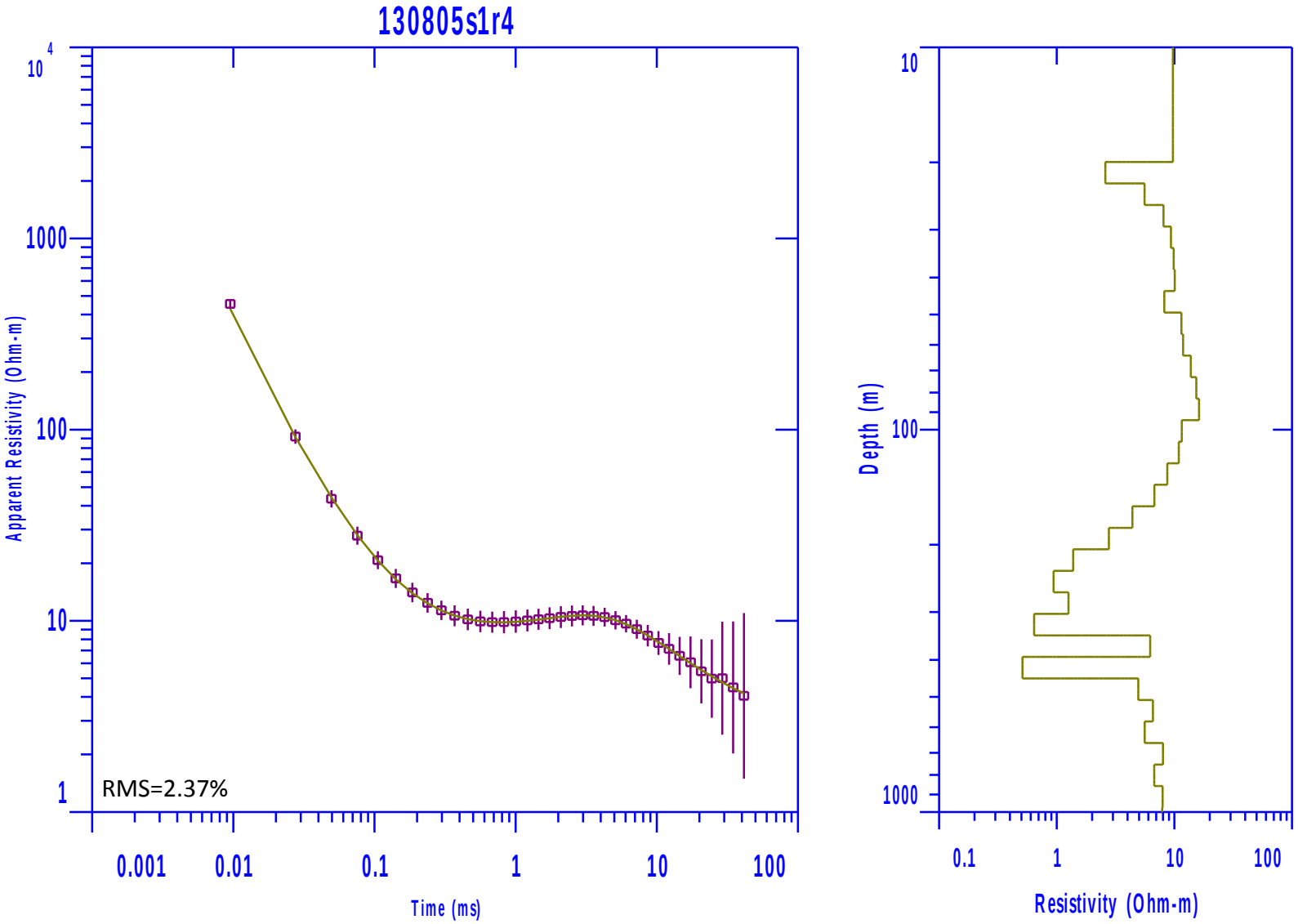

130719s4r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.05%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

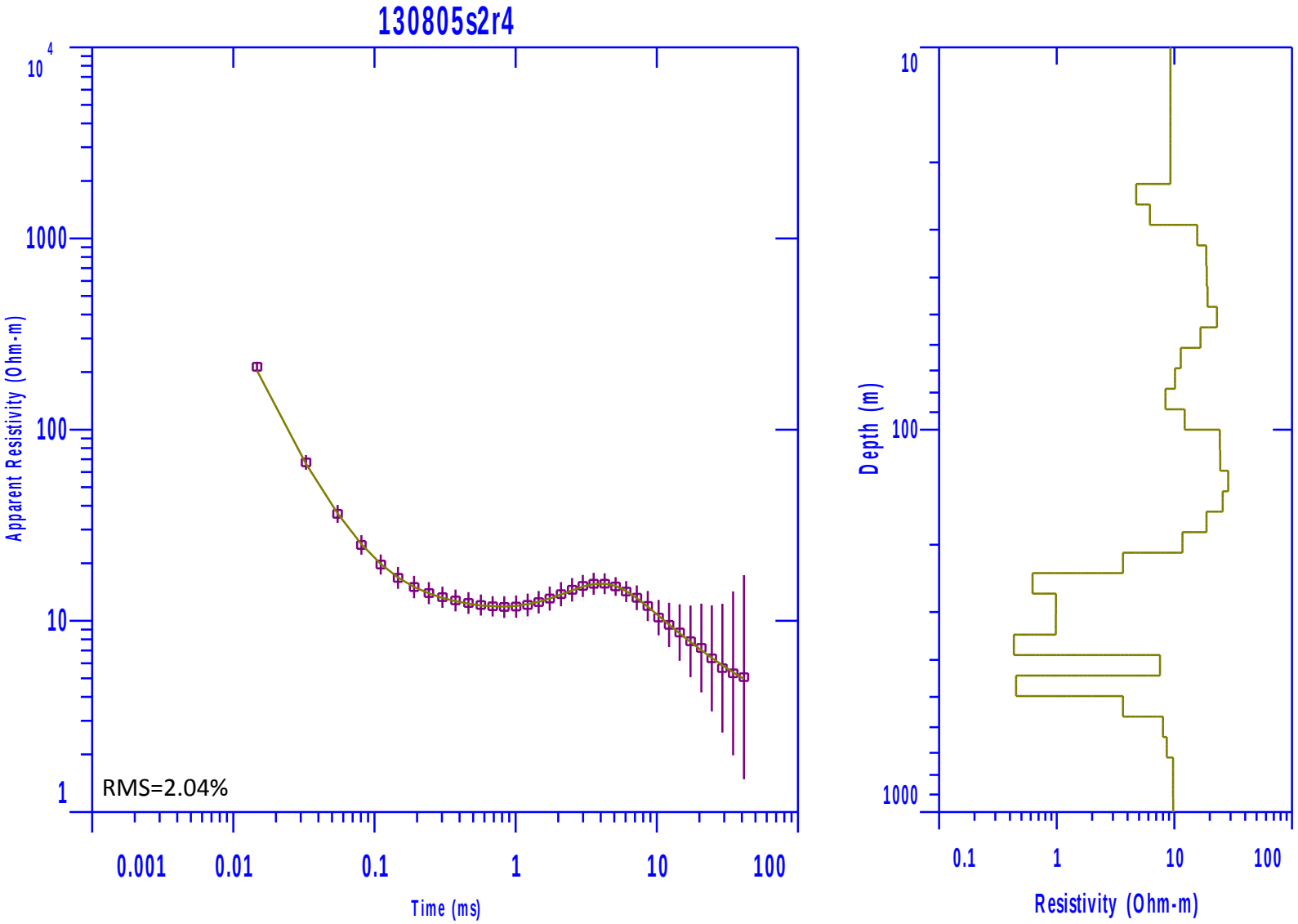

130723s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.88%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

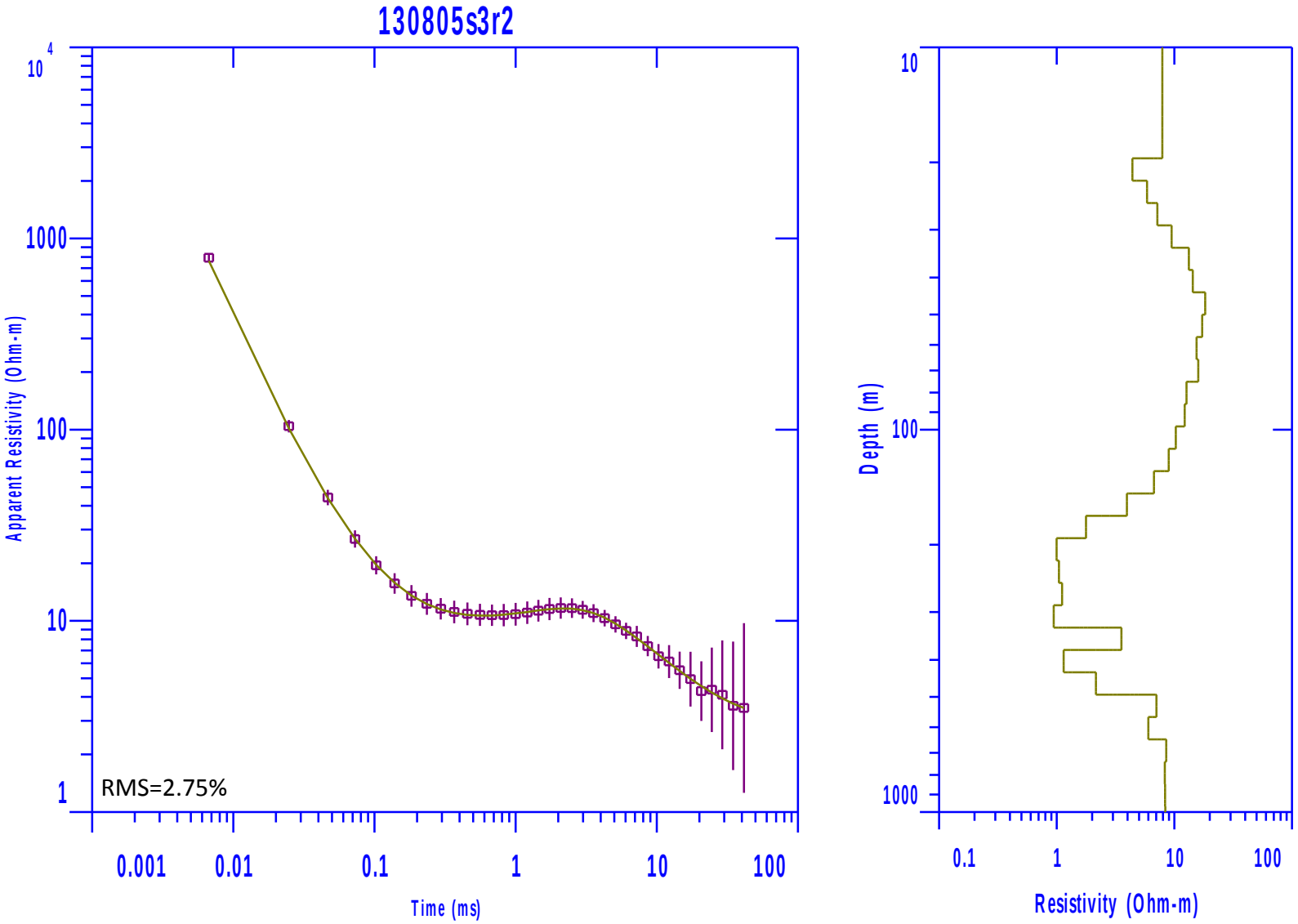

130723s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.78%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

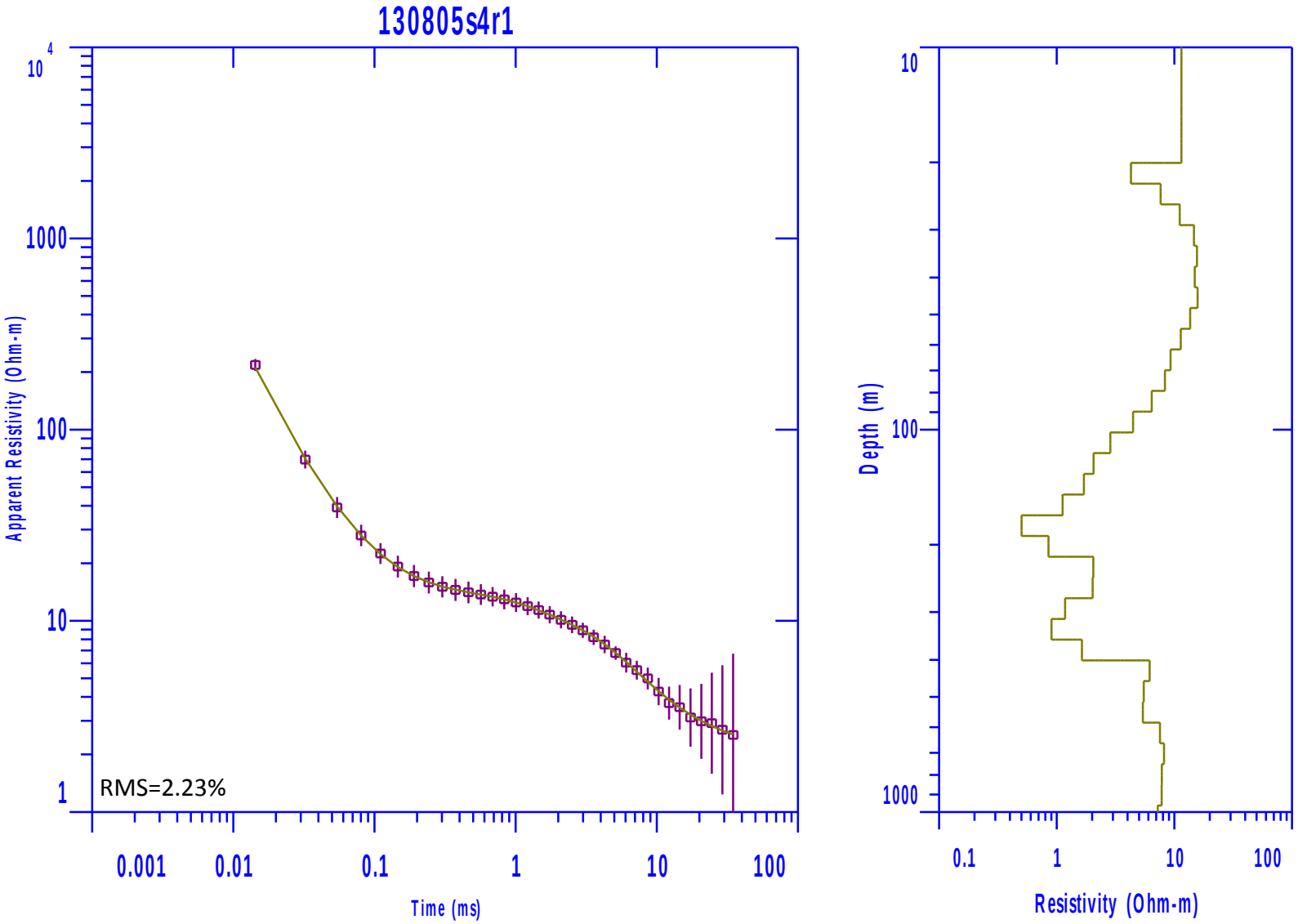

130723s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=5.05%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

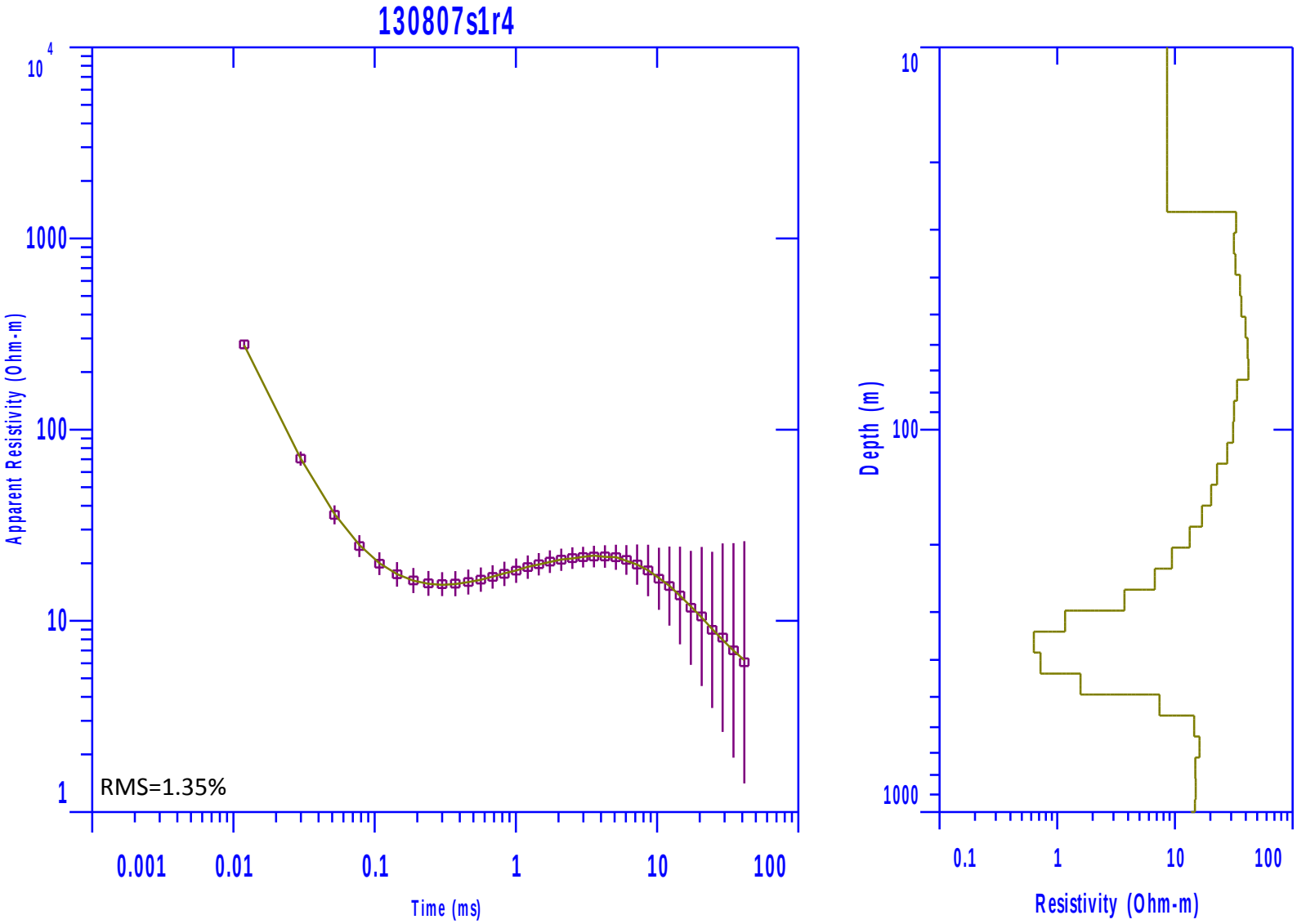

130725s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.94%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

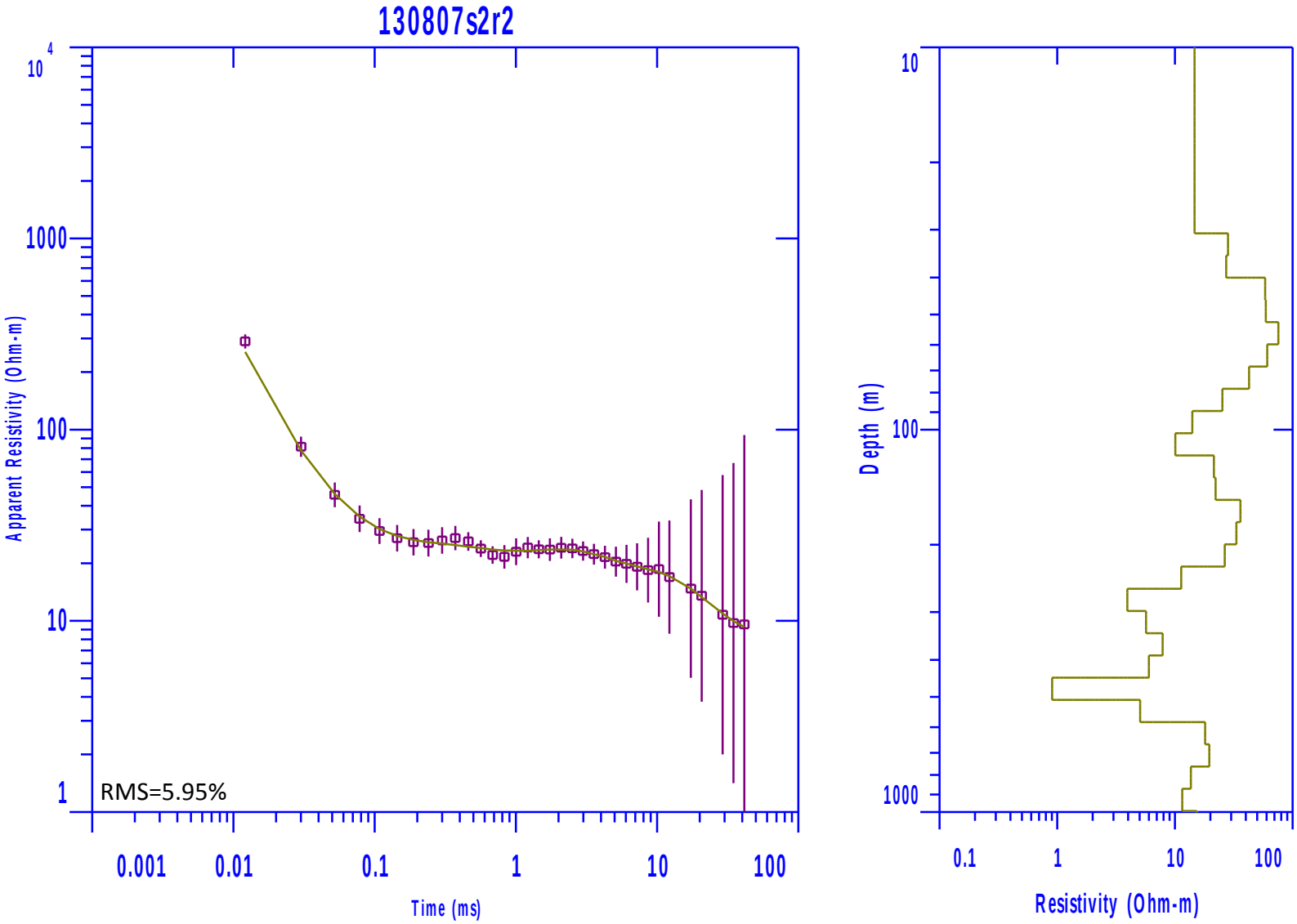

130805s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.37%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

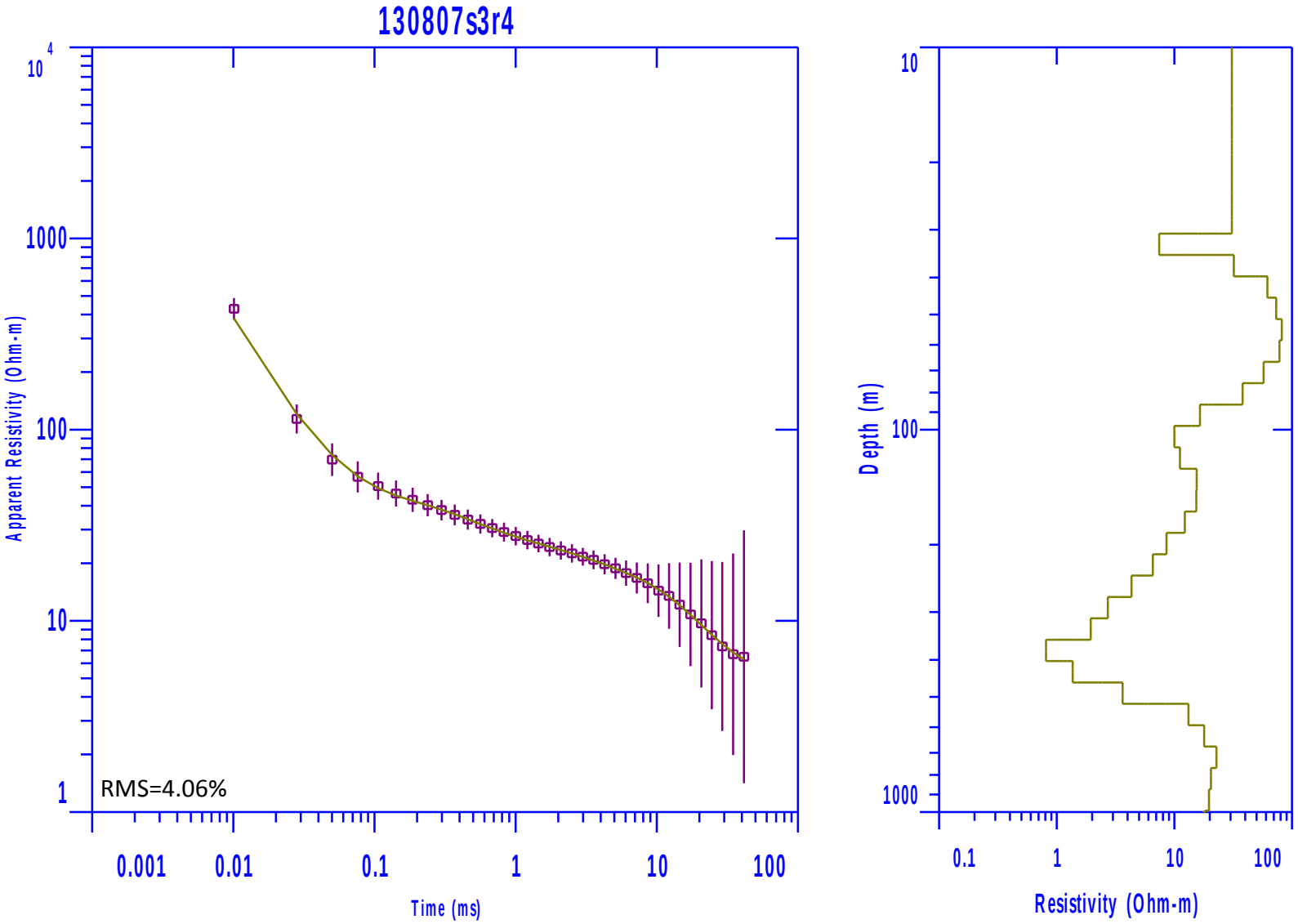

130805s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.04%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

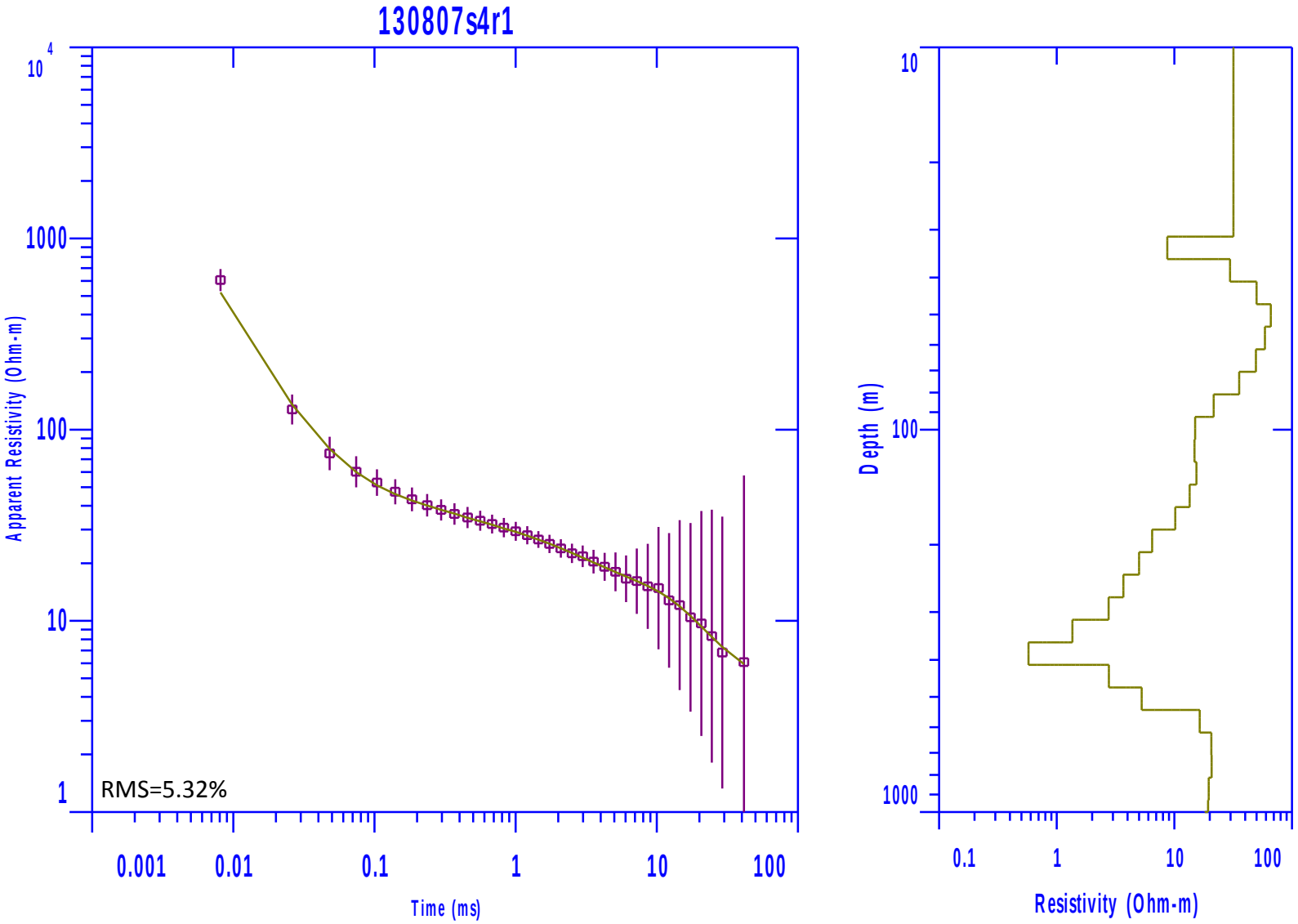

130805s3r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.75%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

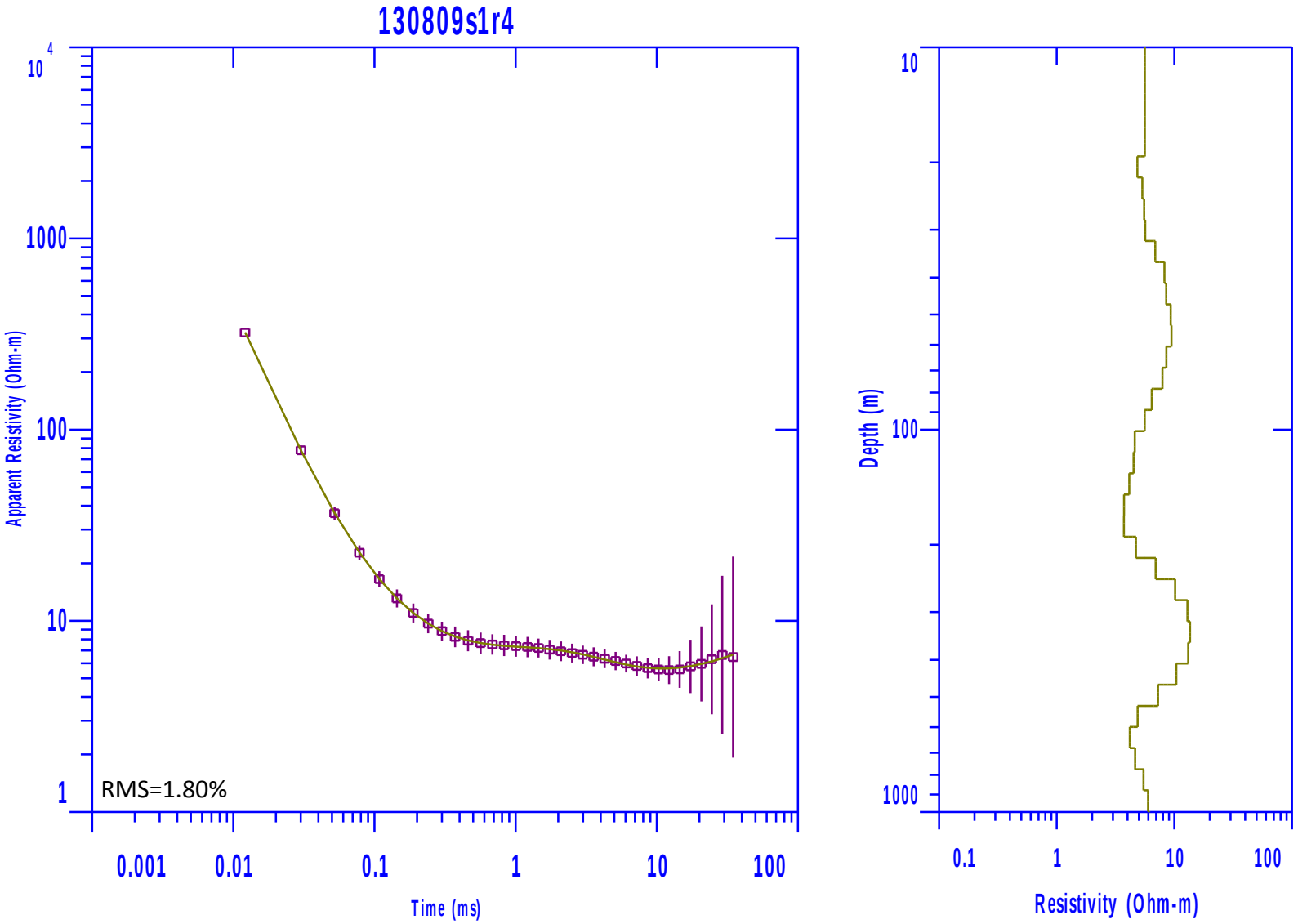

130805s4r1
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.23%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

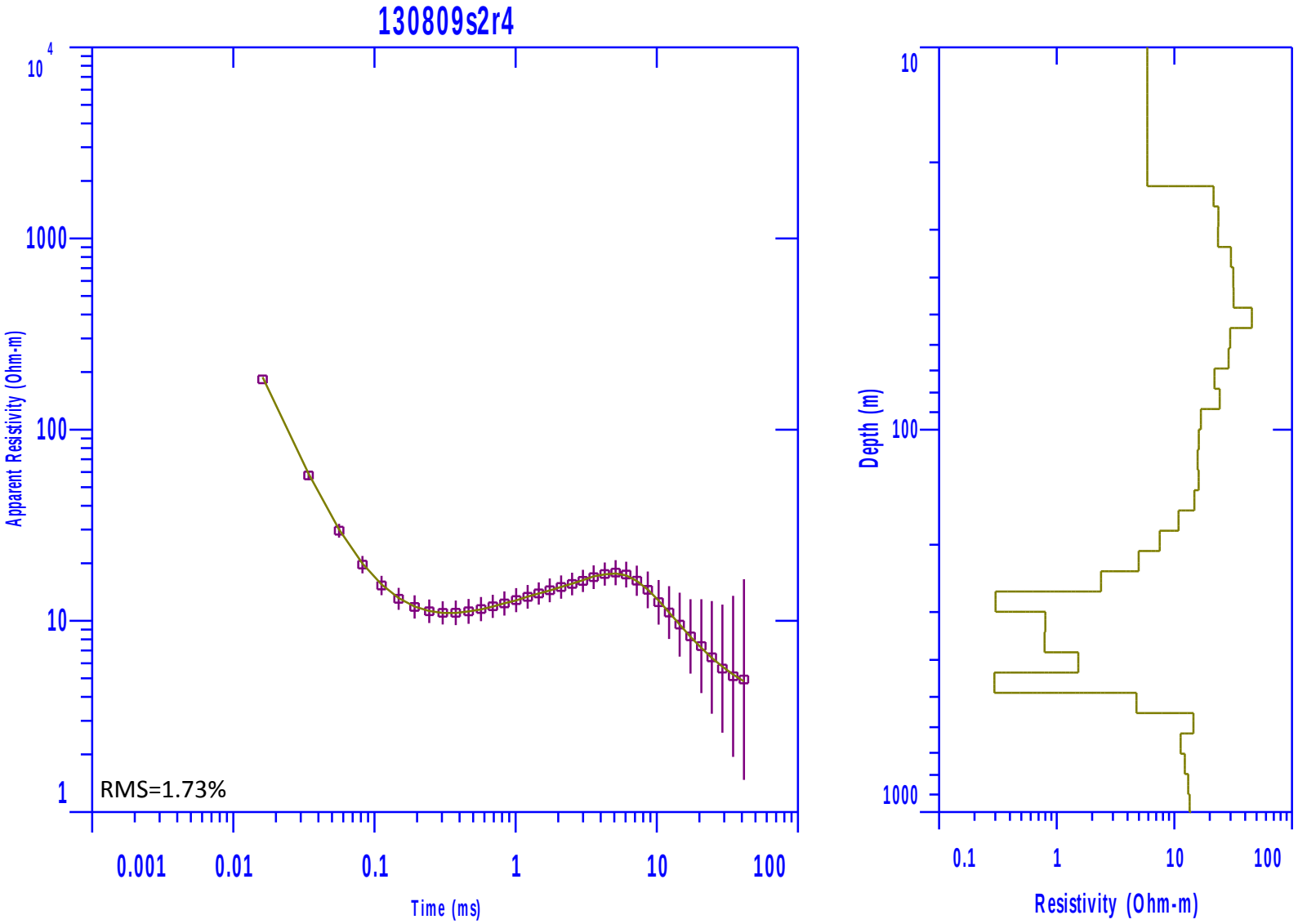

130807s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.35%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

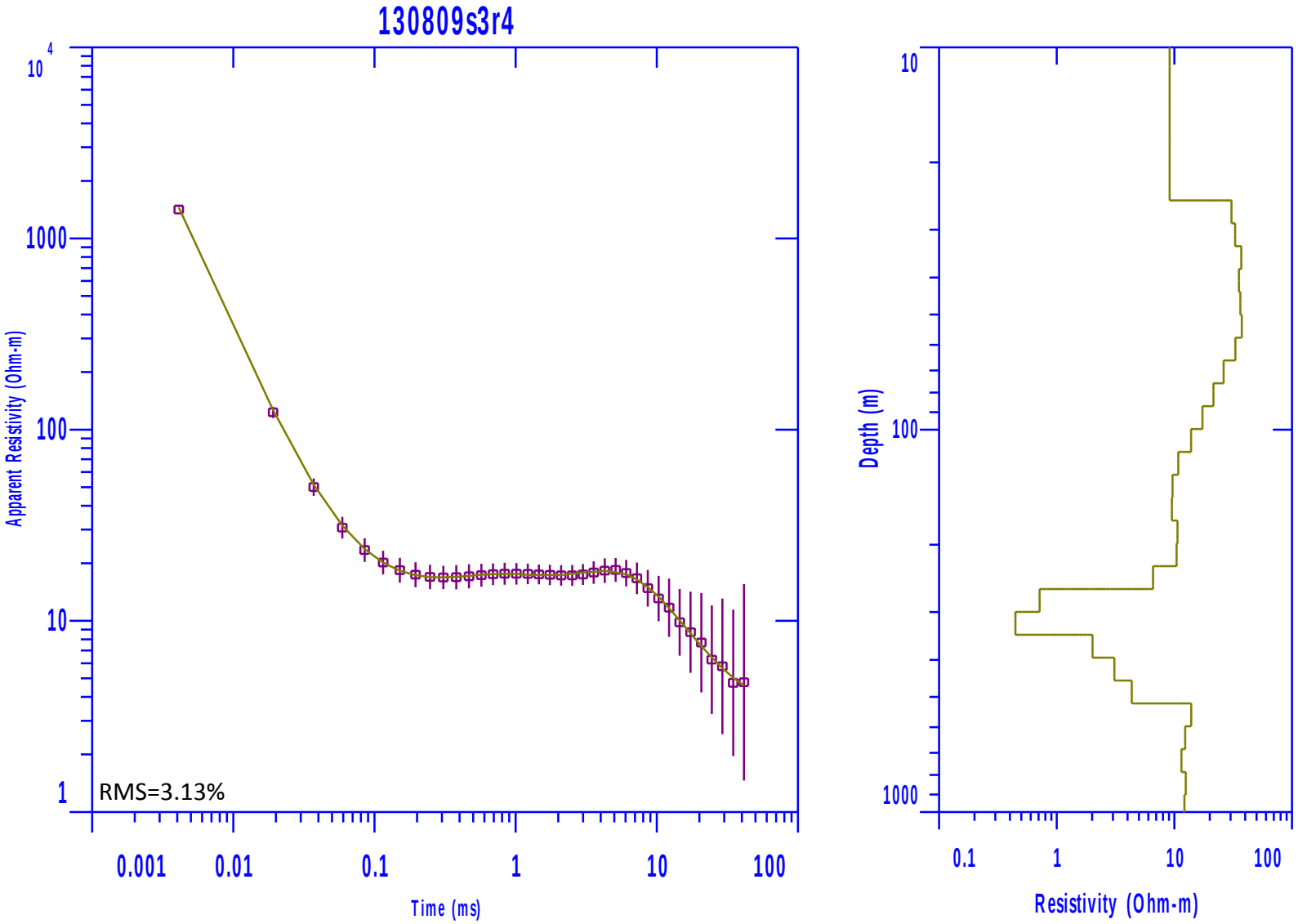

130807s2r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=5.95%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

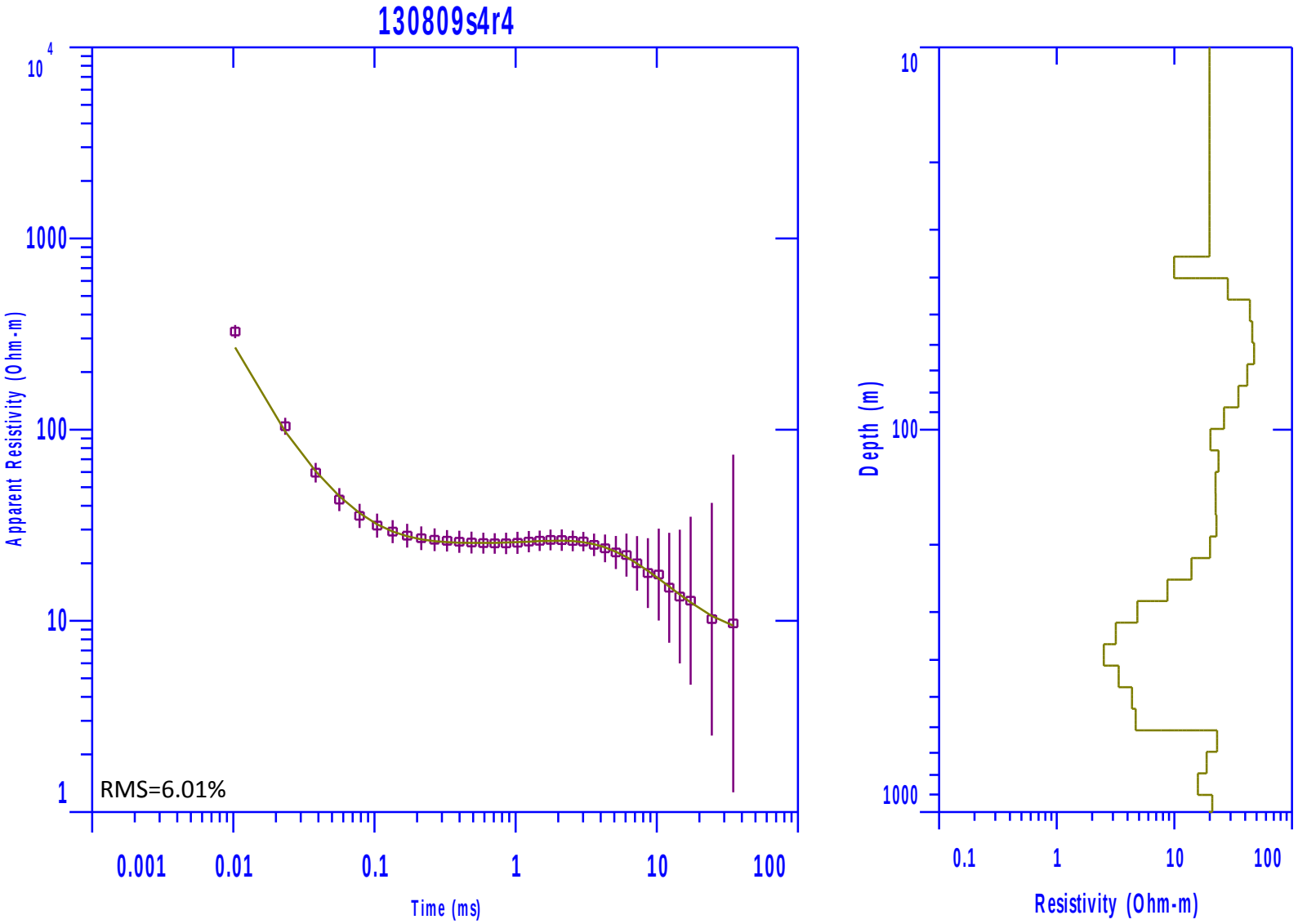

130807s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.06%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

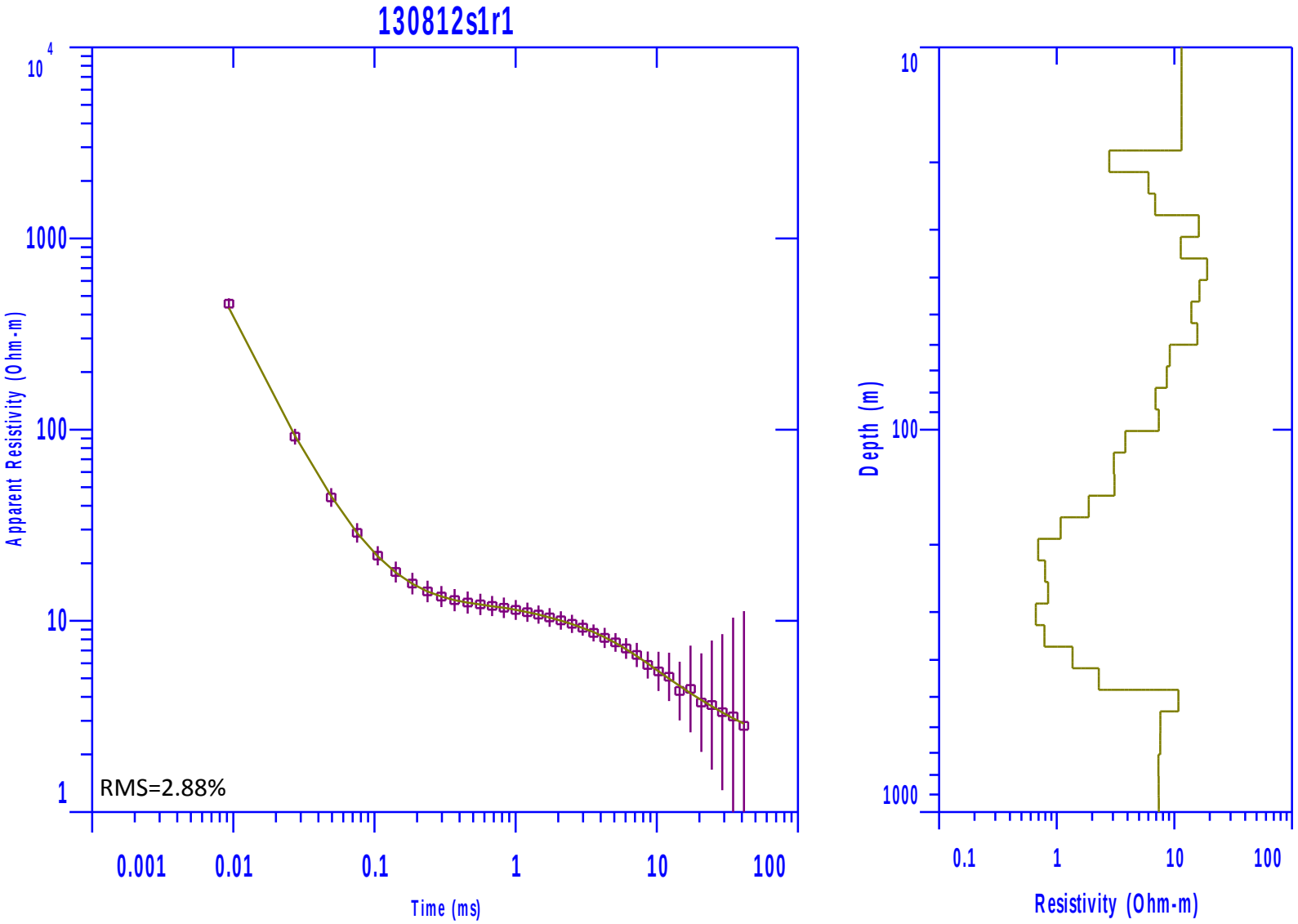

130807s4r1
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=5.32%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

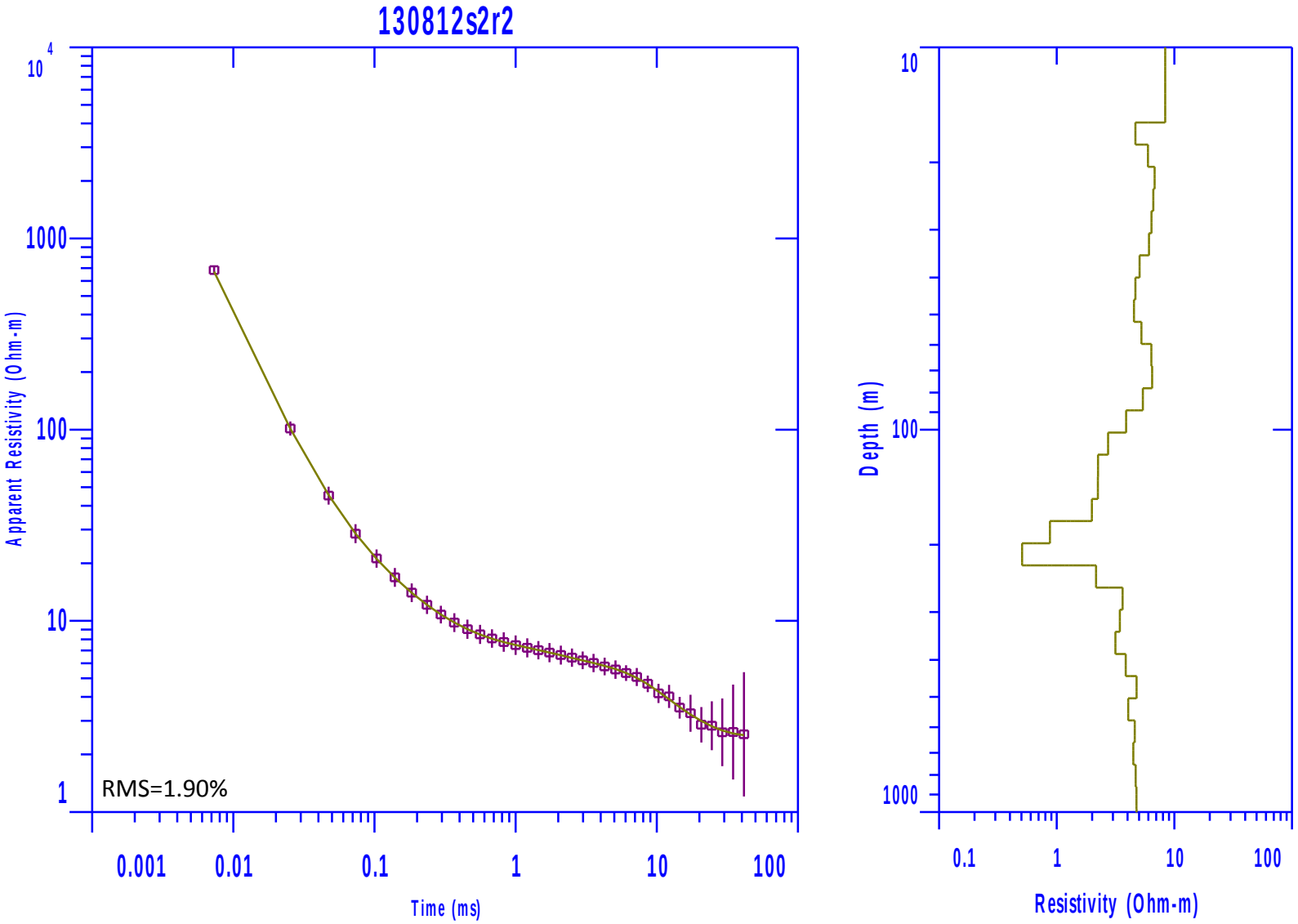

130809s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.80%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

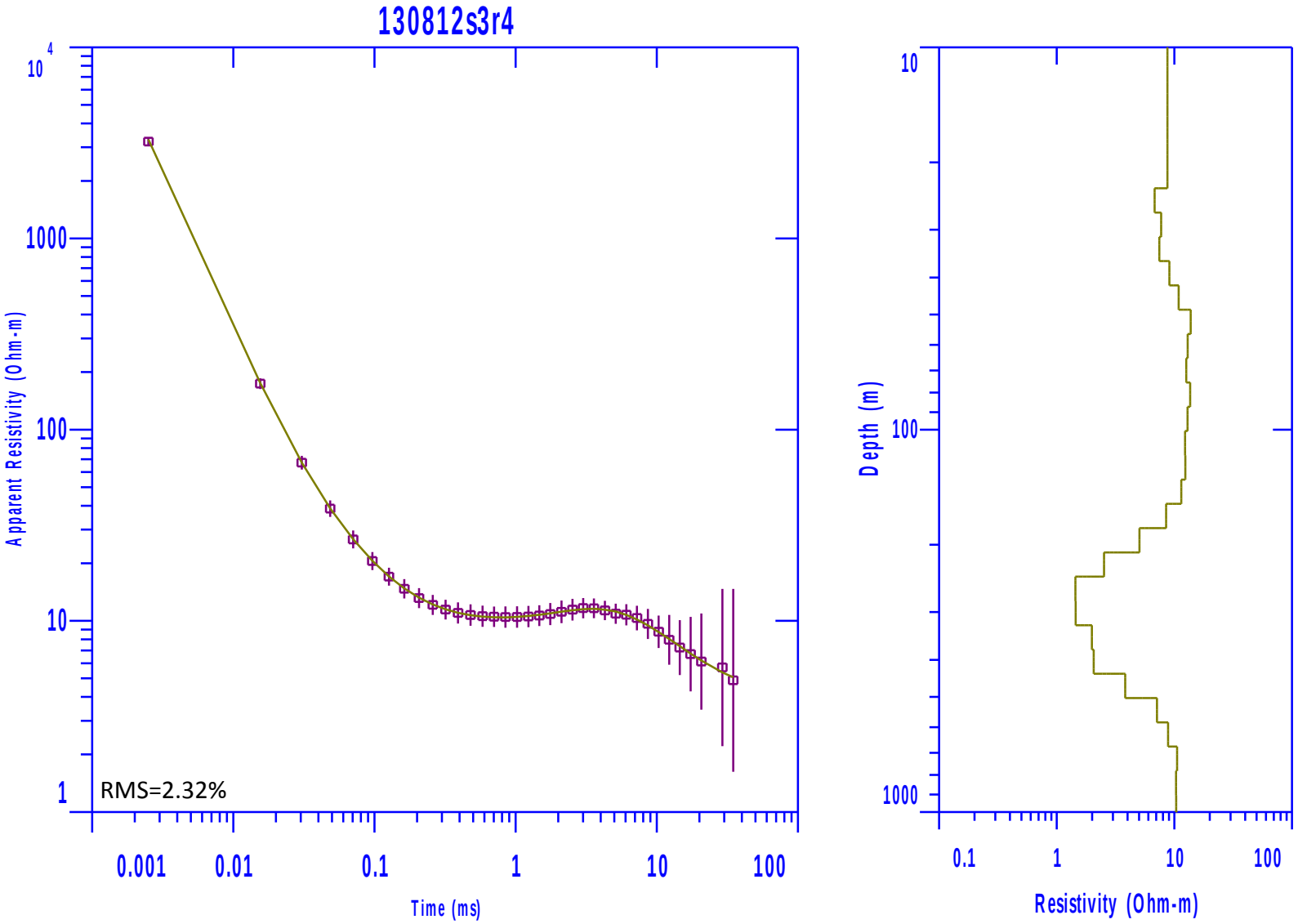

130809s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.73%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

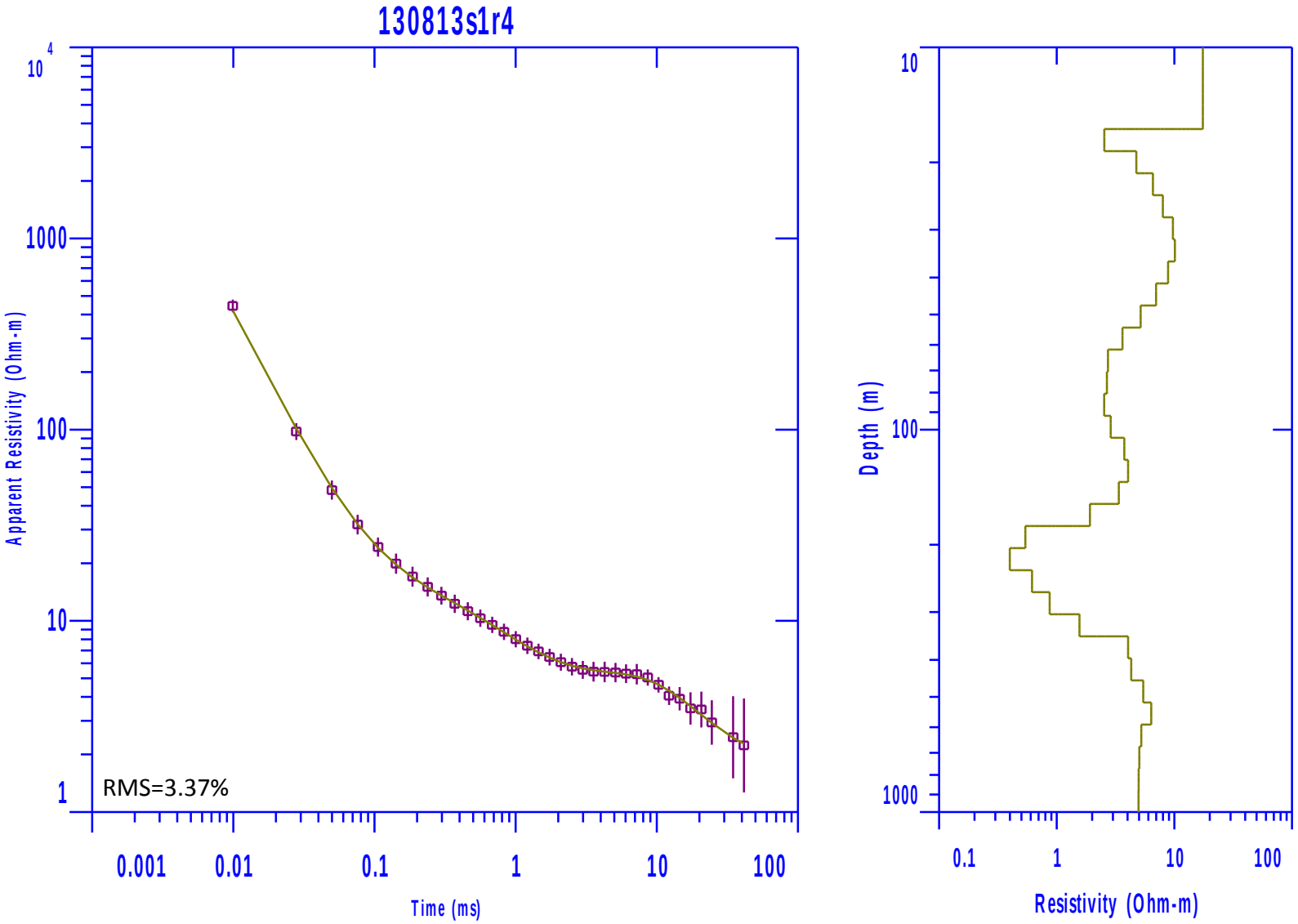

130809s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.13%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

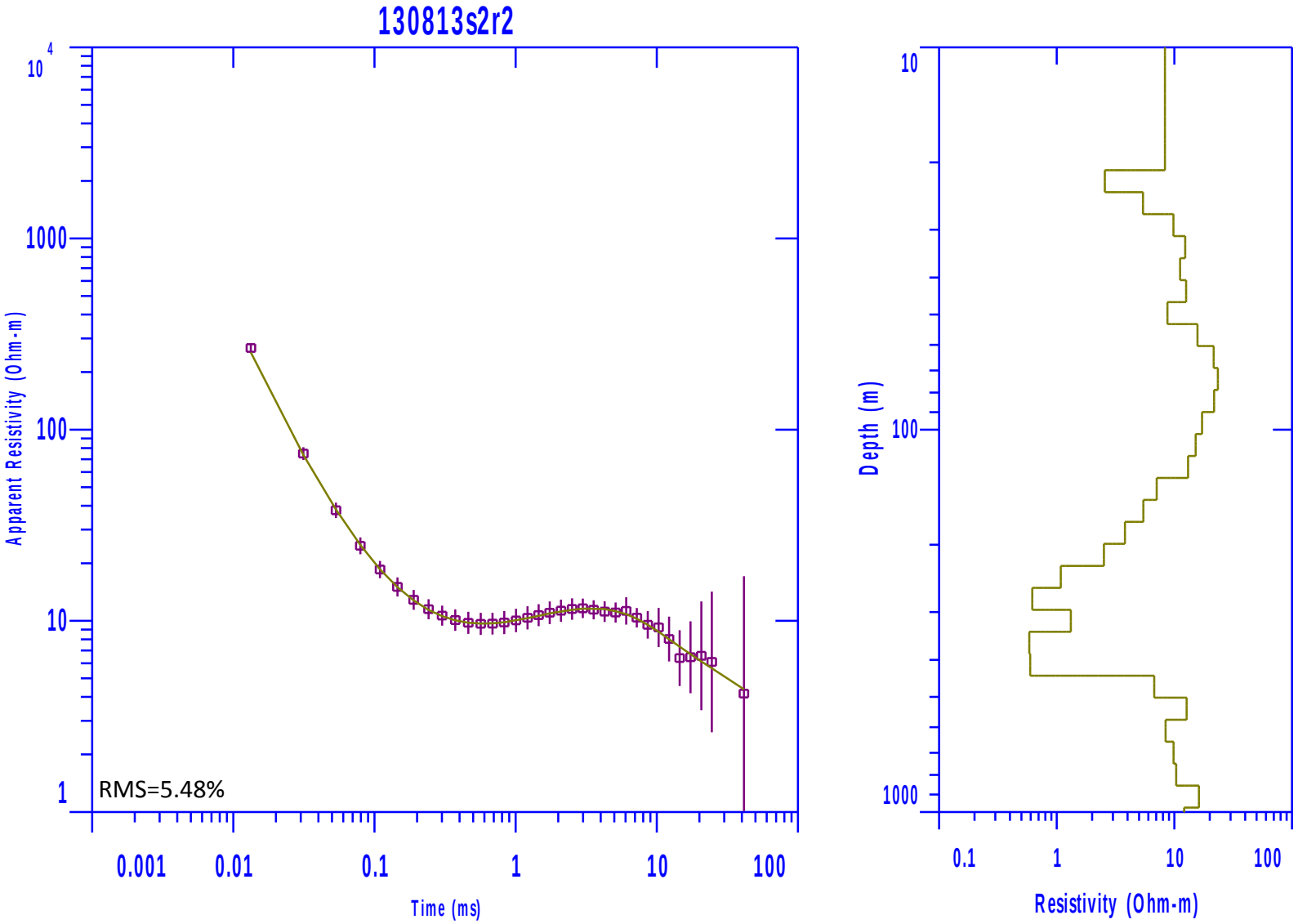

130809s4r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=6.01%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

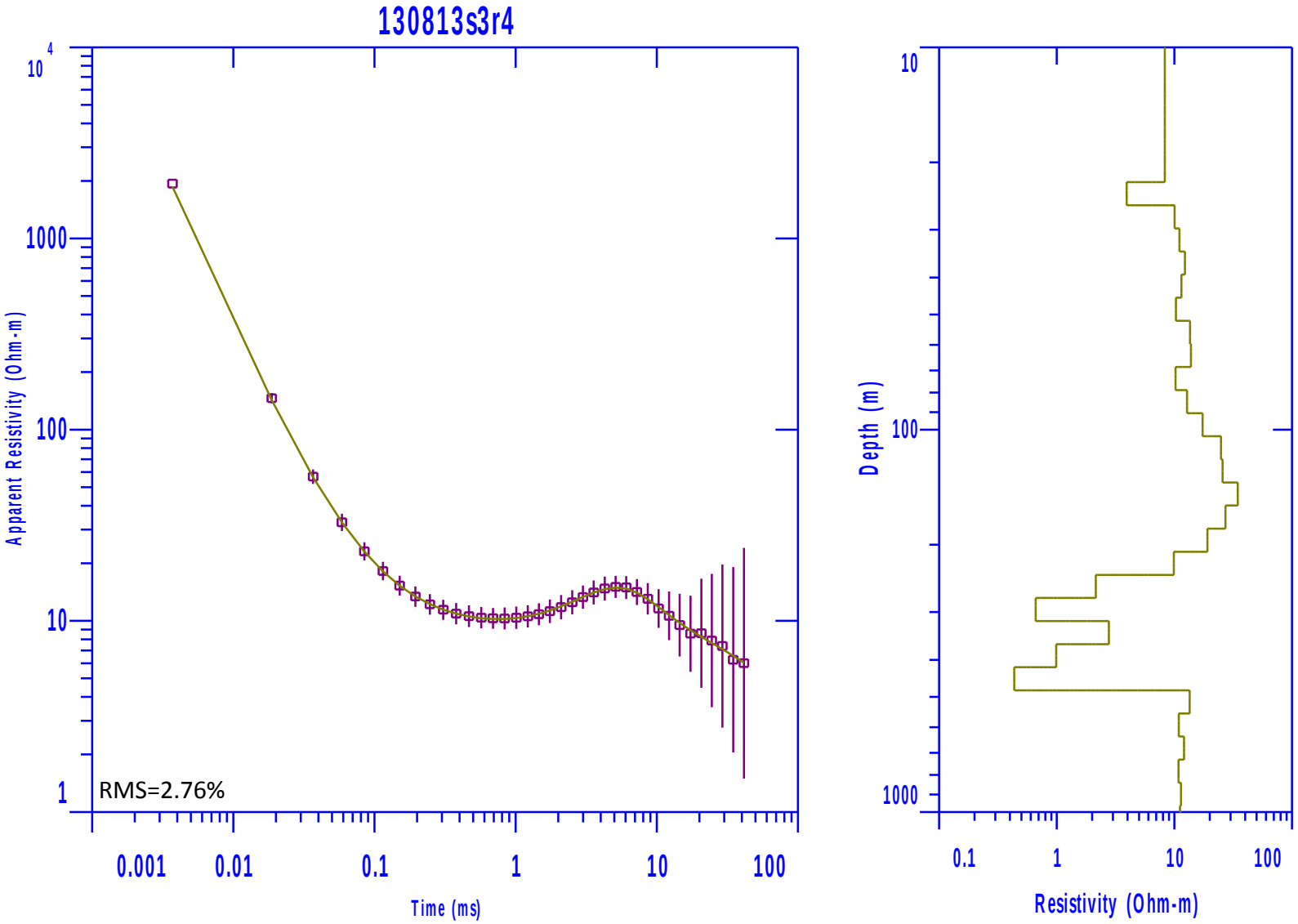

130812s1r1
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.88%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

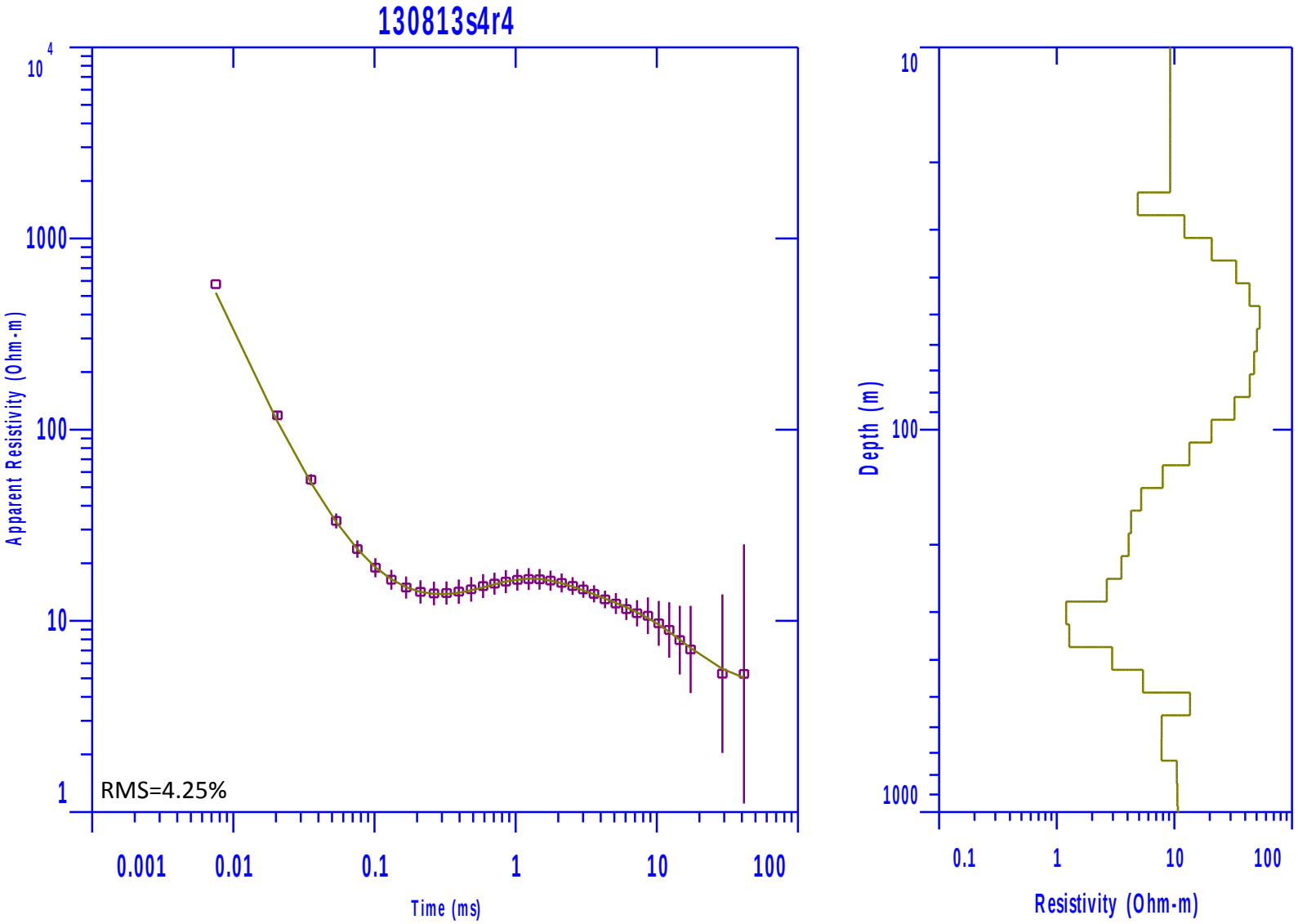

130812s2r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.90%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

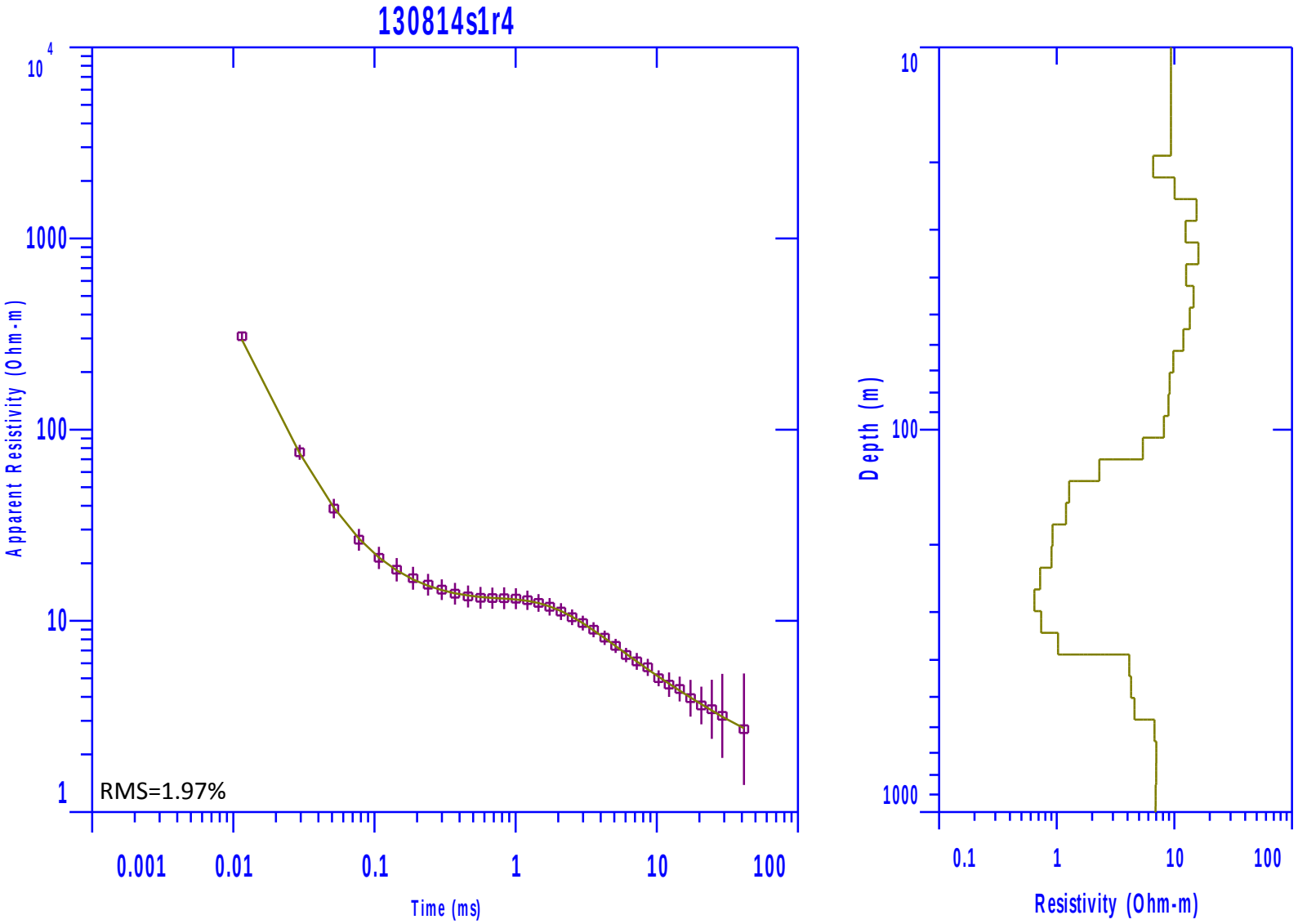

130812s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.32%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

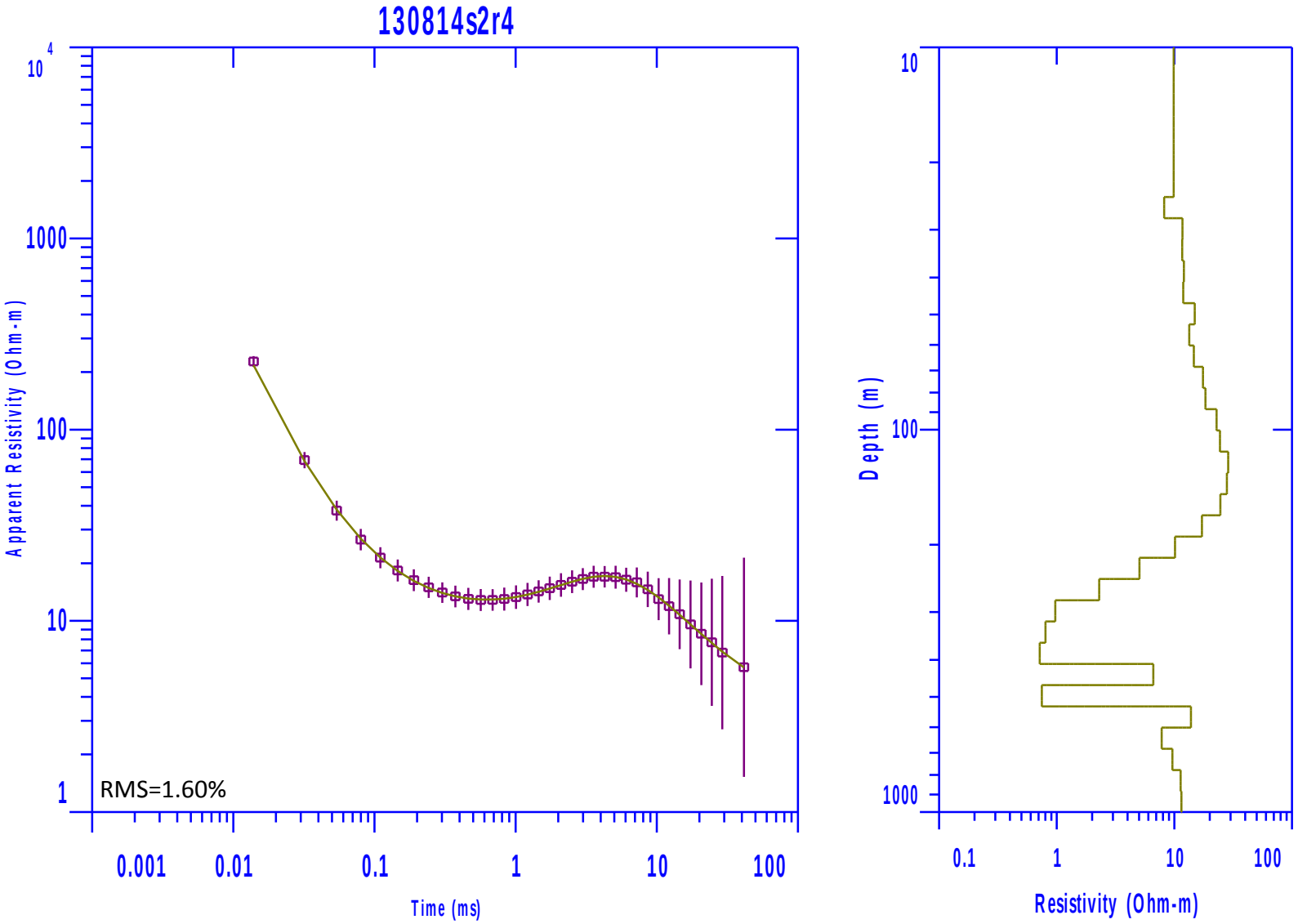

130813s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.37%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

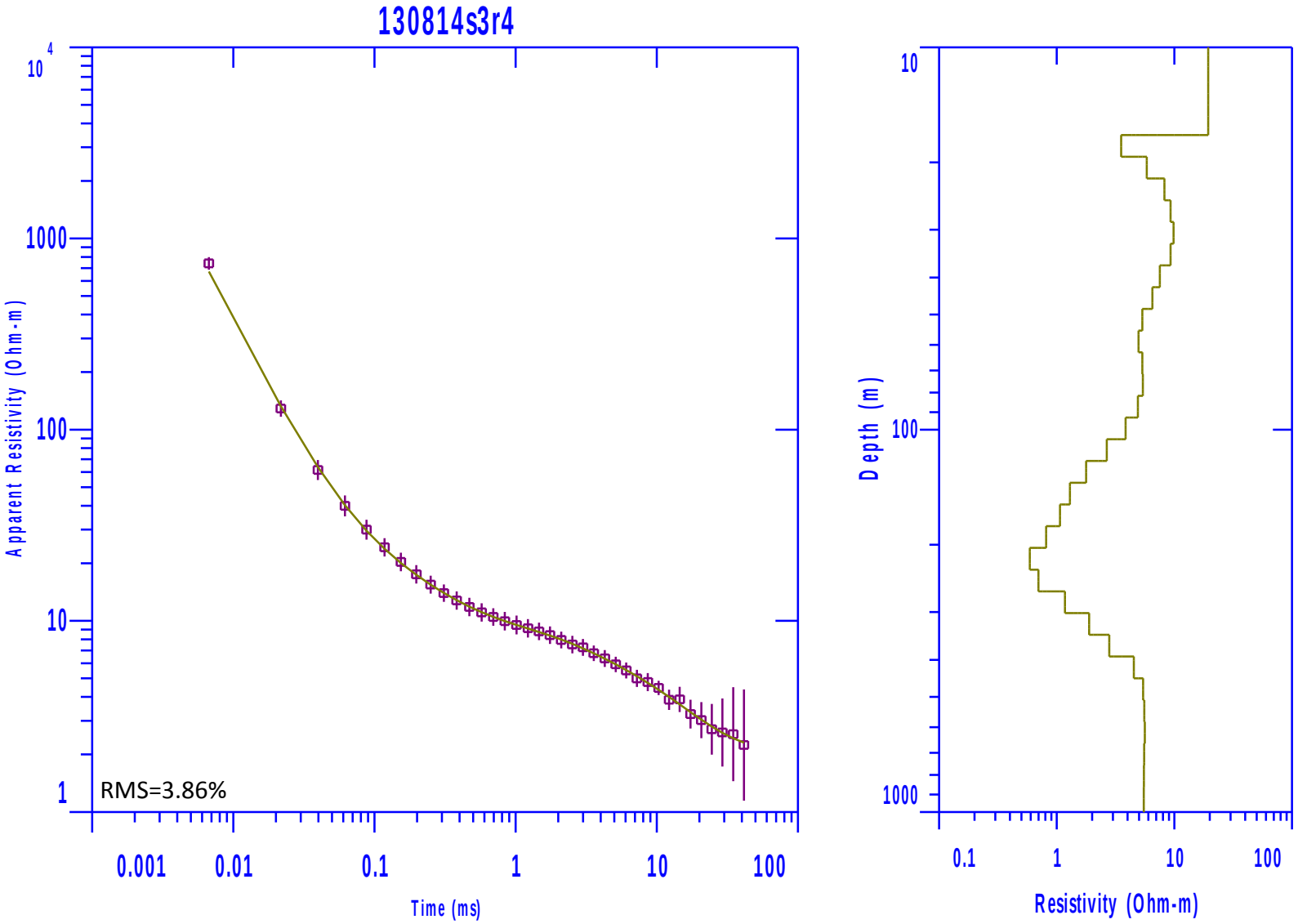

130813s2r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=5.48%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

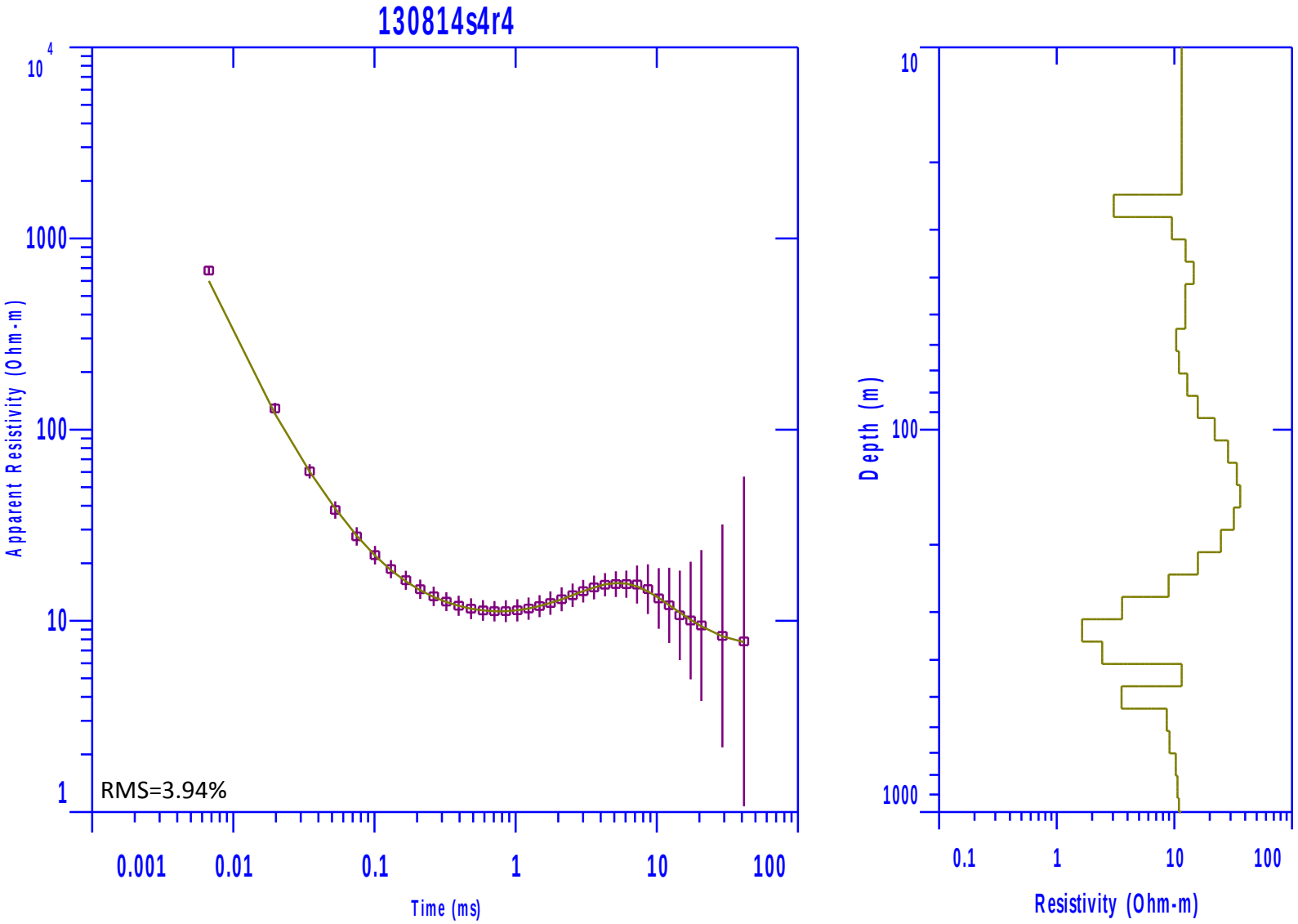

130813s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.76%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

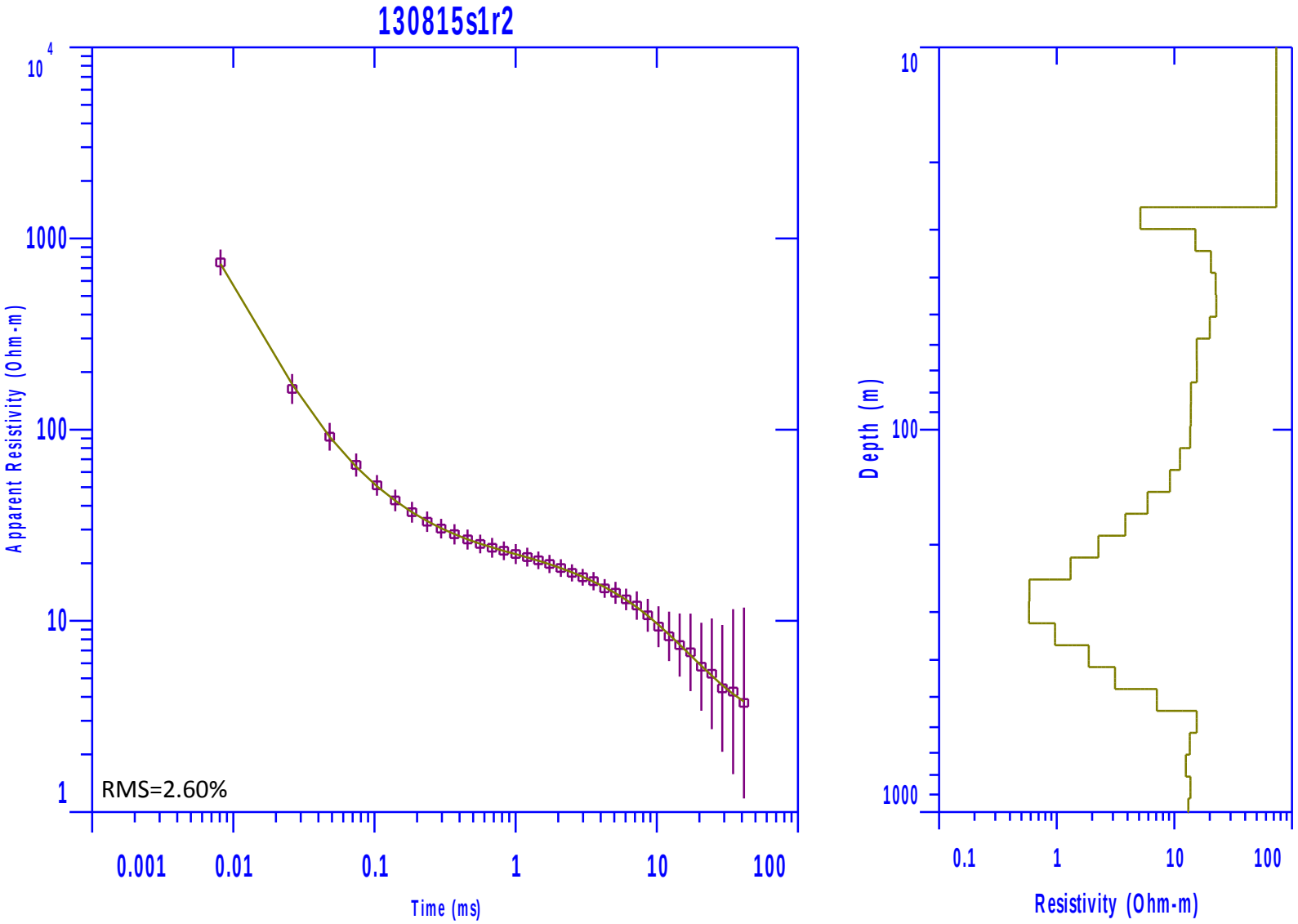

130813s4r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.25%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

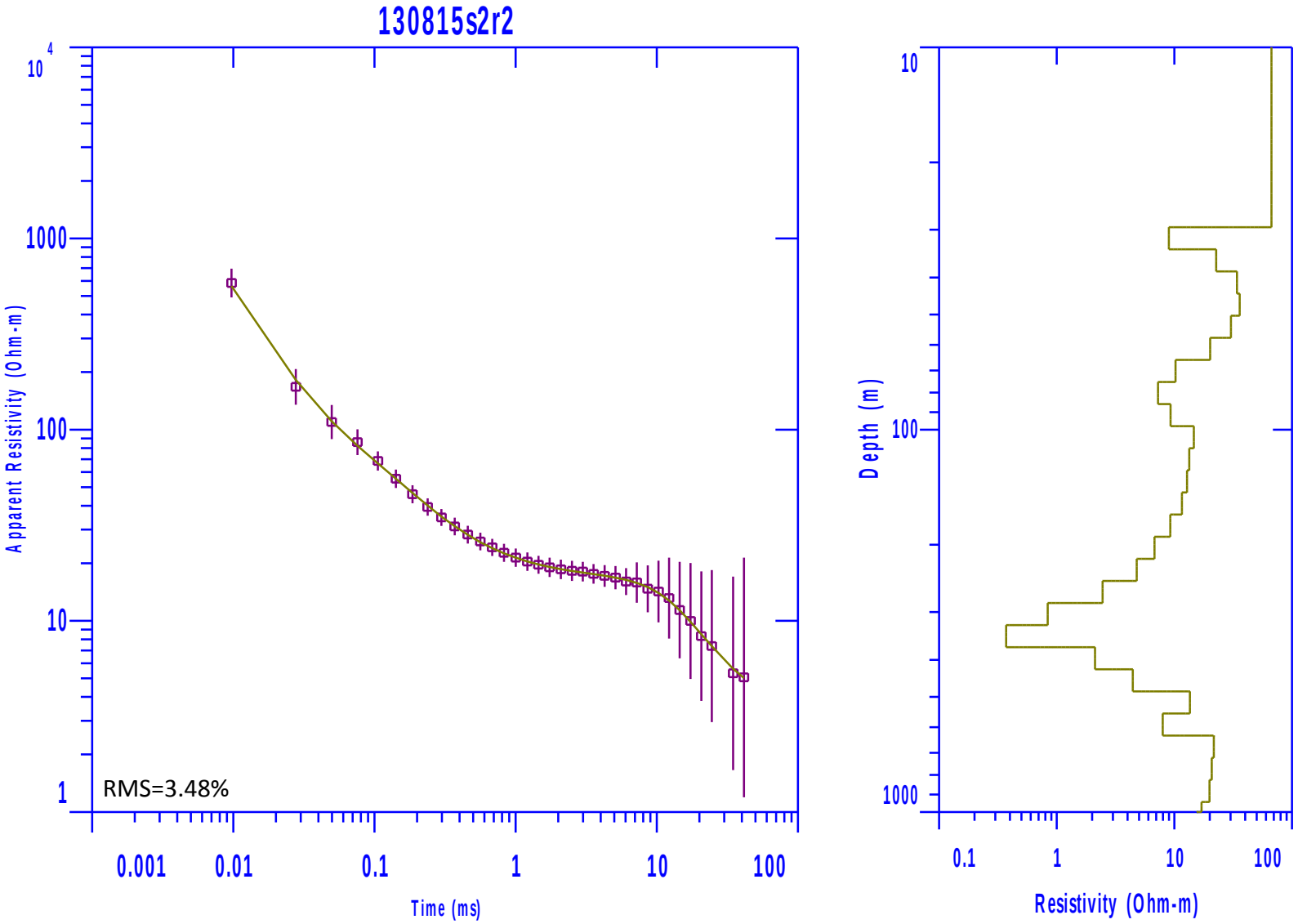

130814s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.97%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

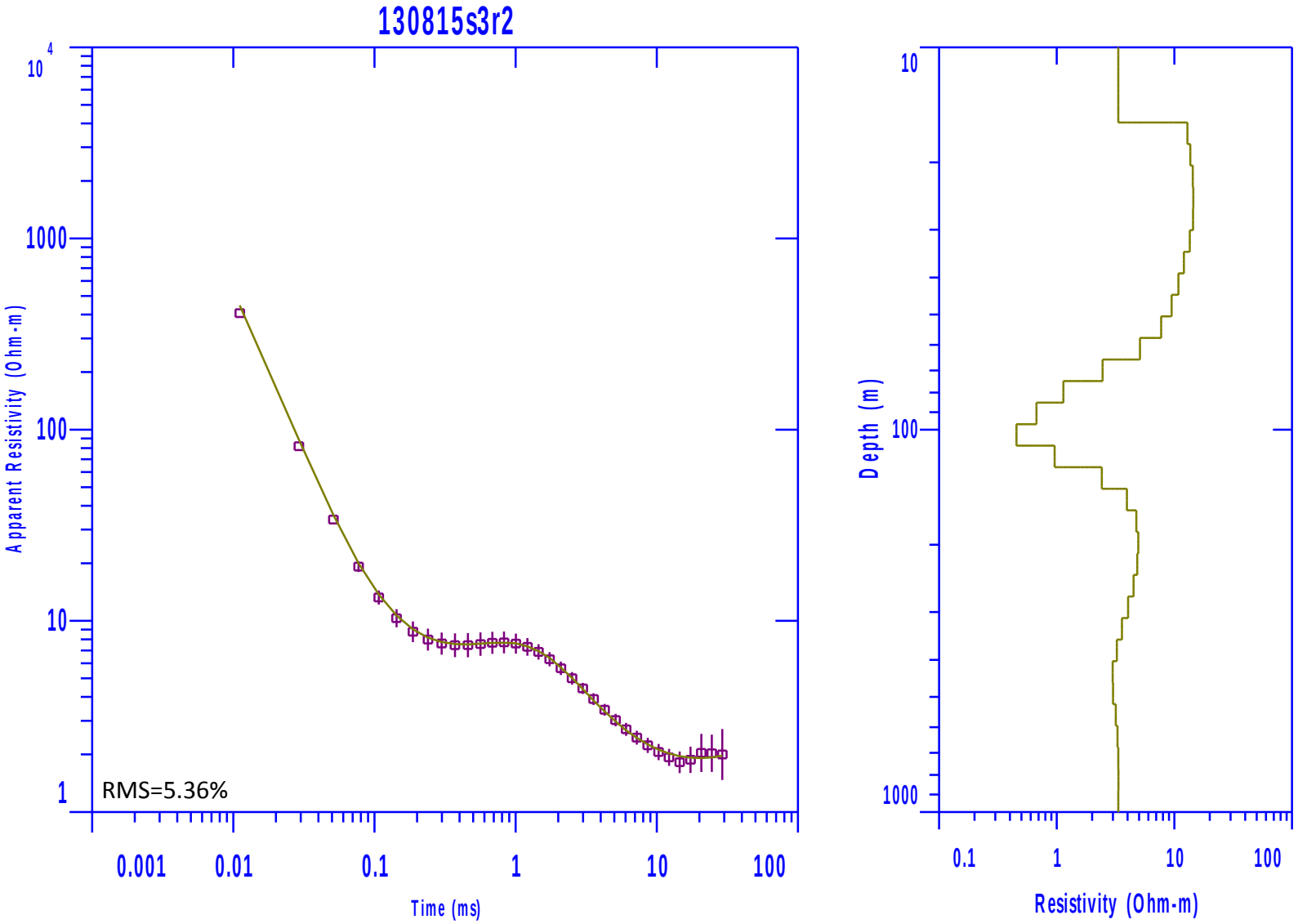

130814s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.60%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

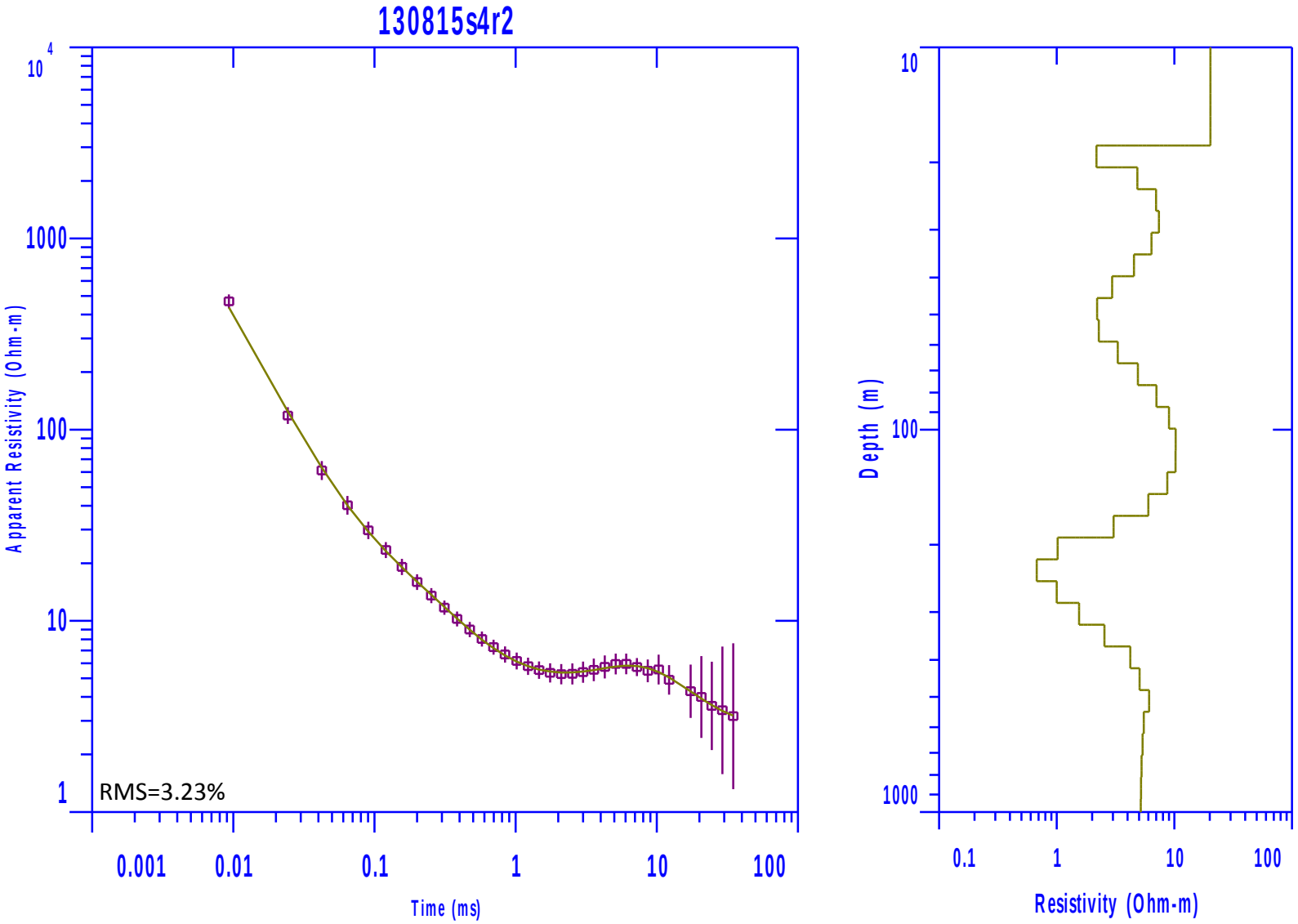

130814s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.86%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

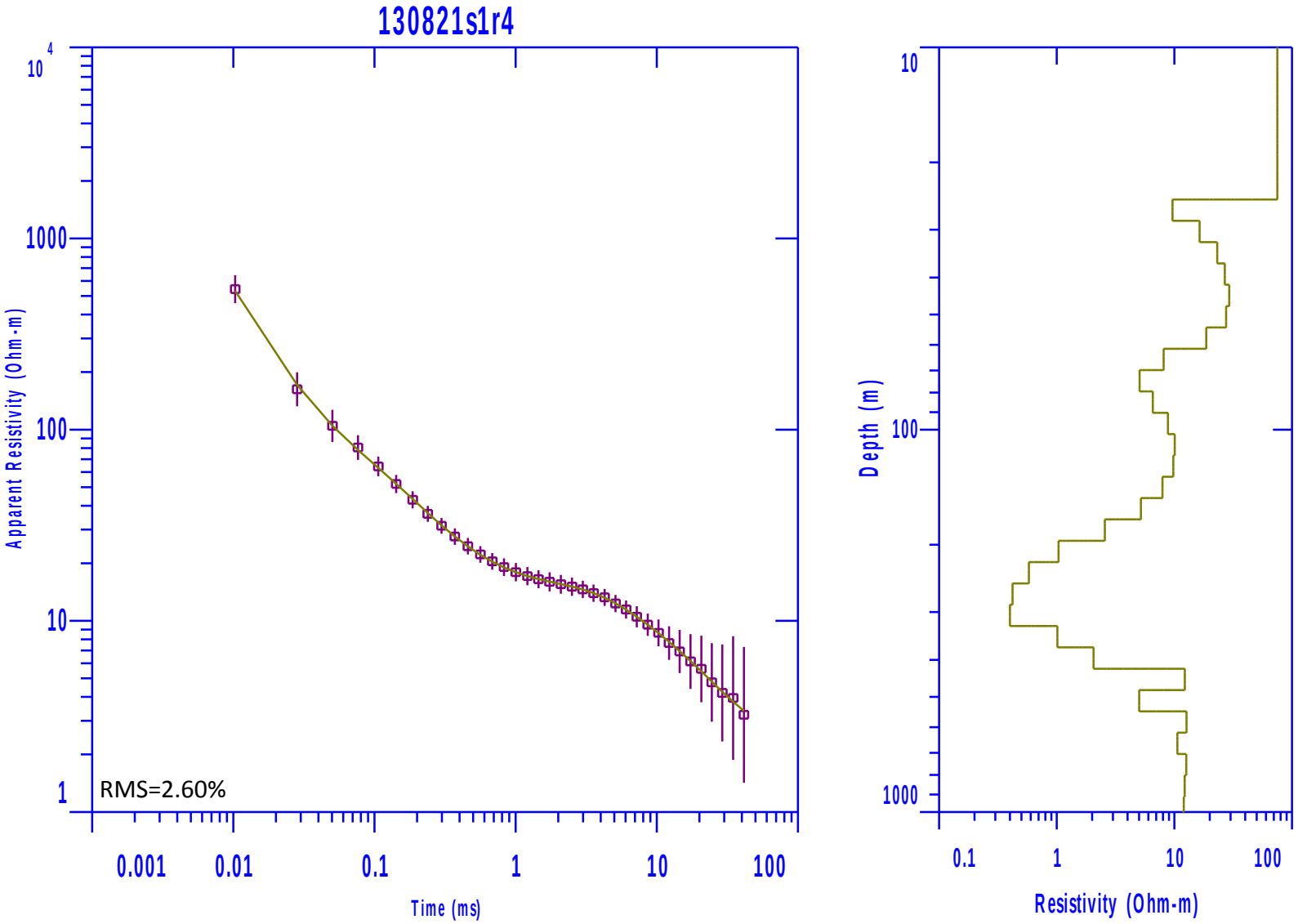

130814s4r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.94%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

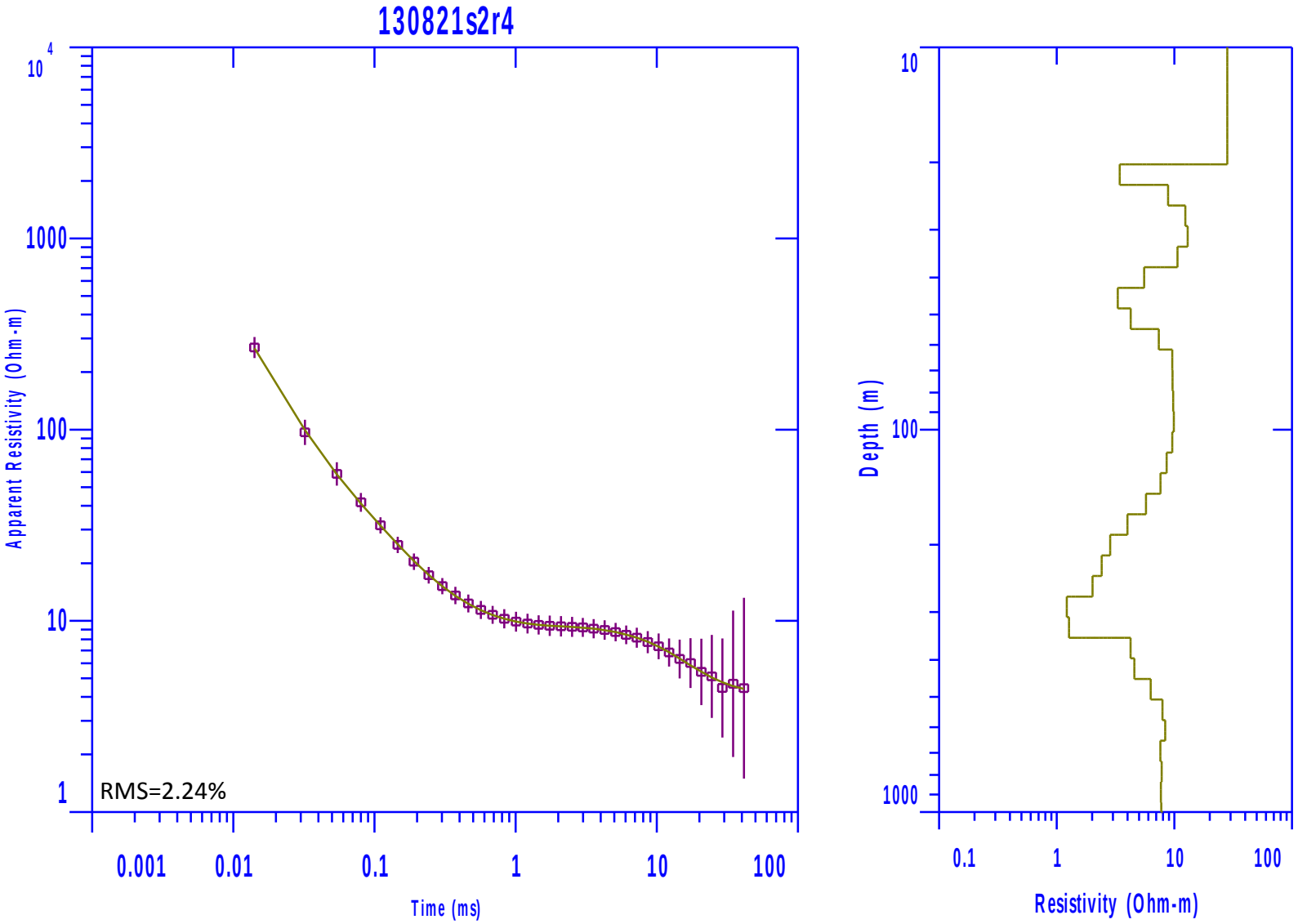

130815s1r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.60%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

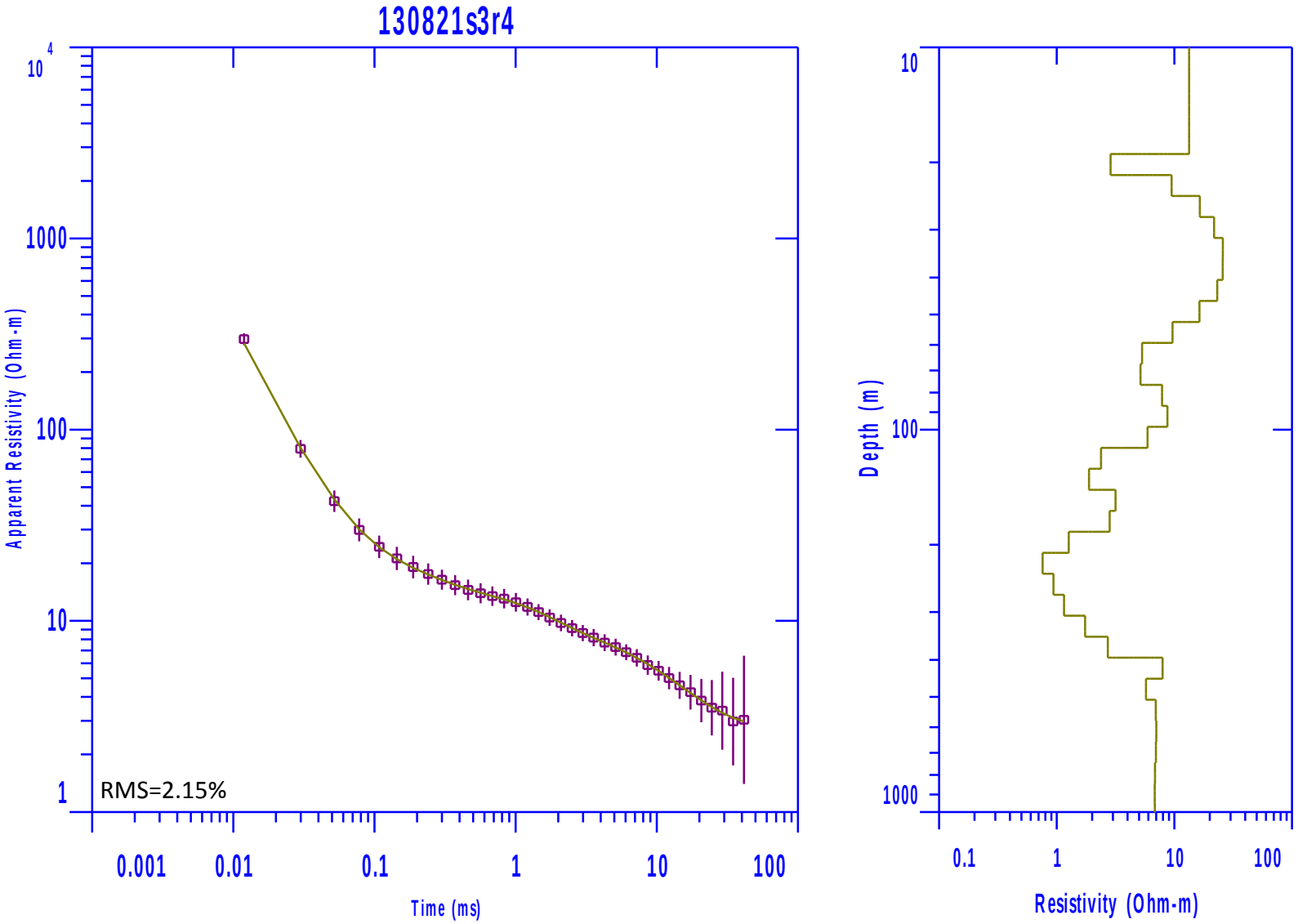

130815s2r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.48%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

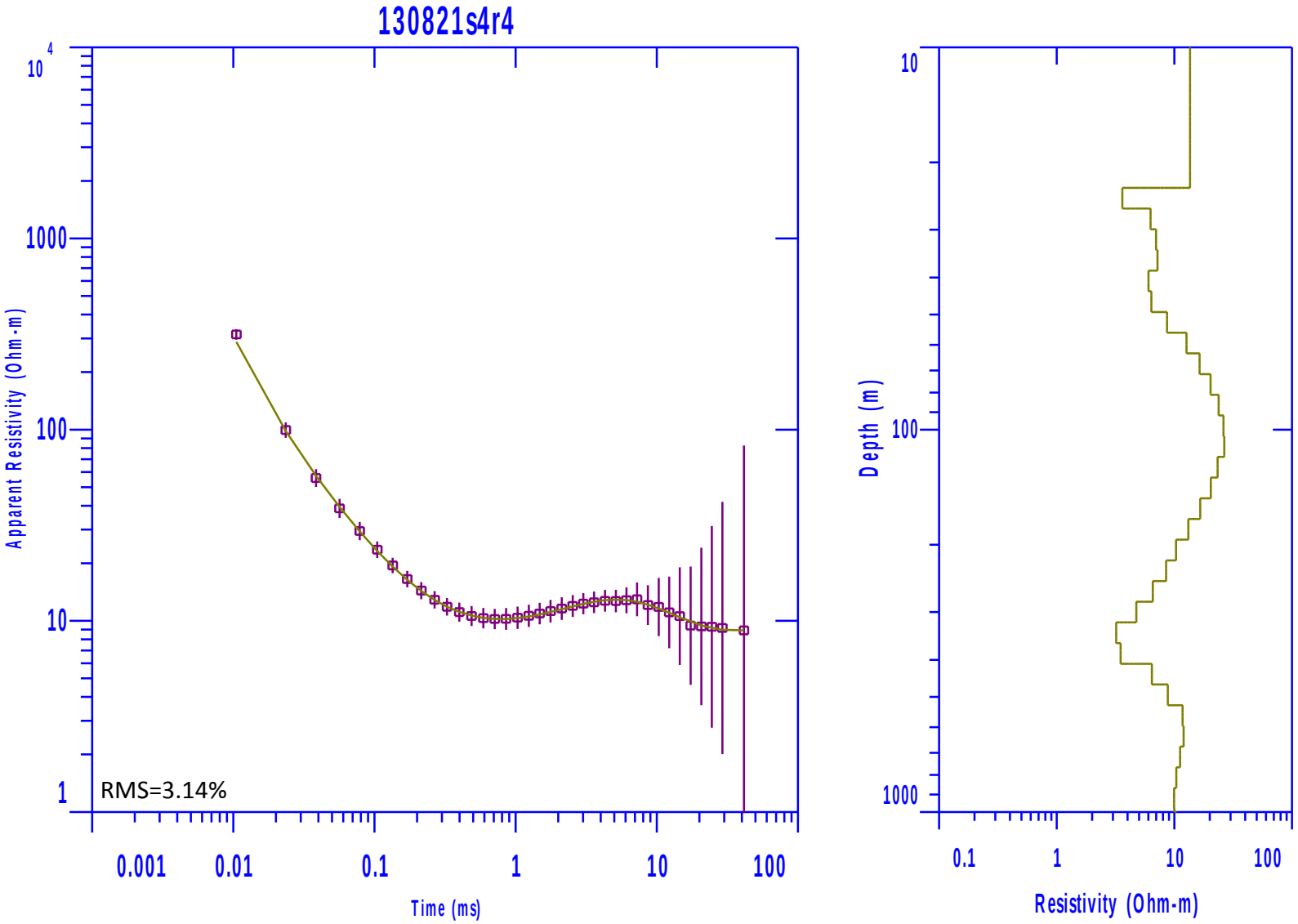

130815s3r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=5.36%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

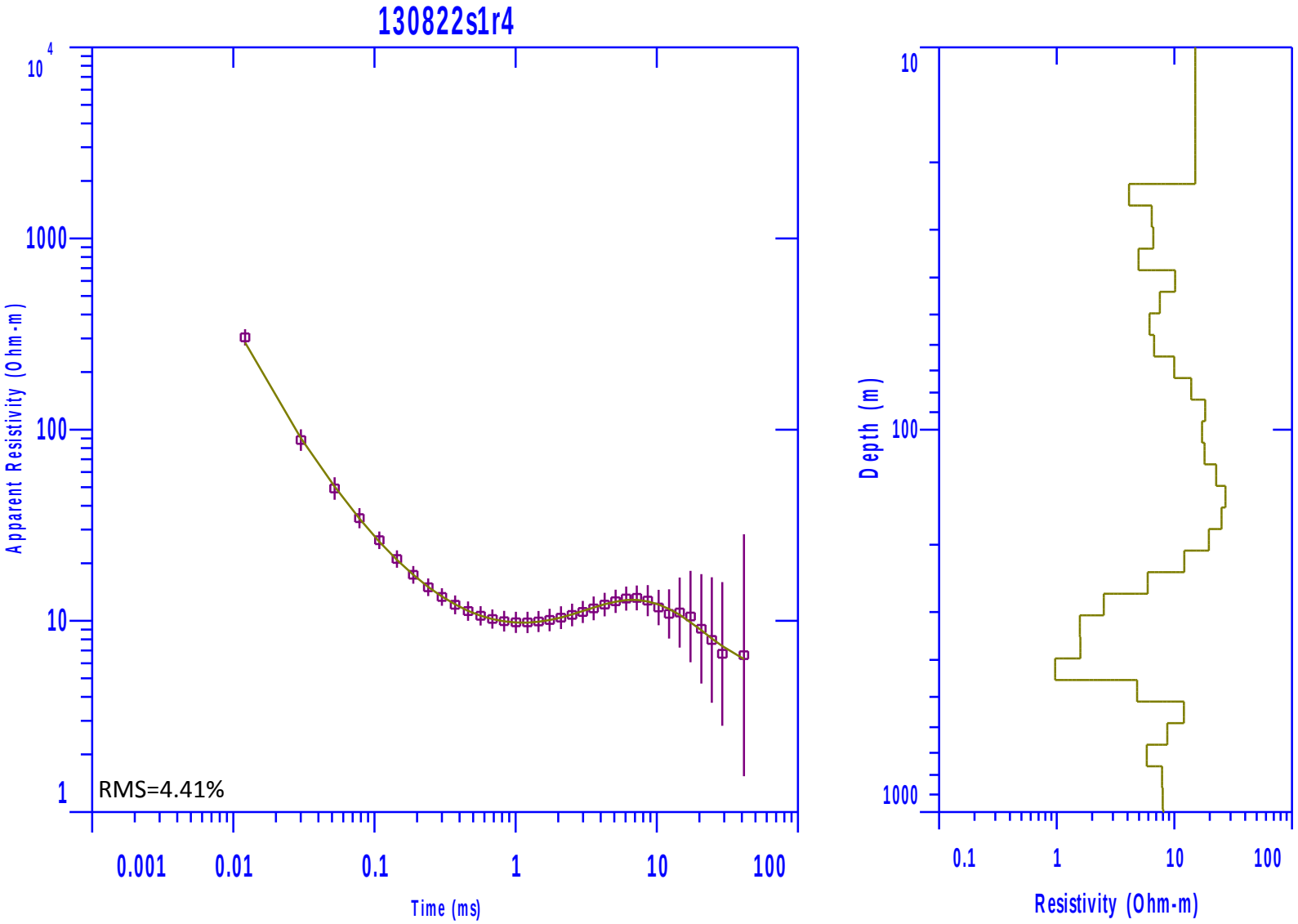

130815s4r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.23%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

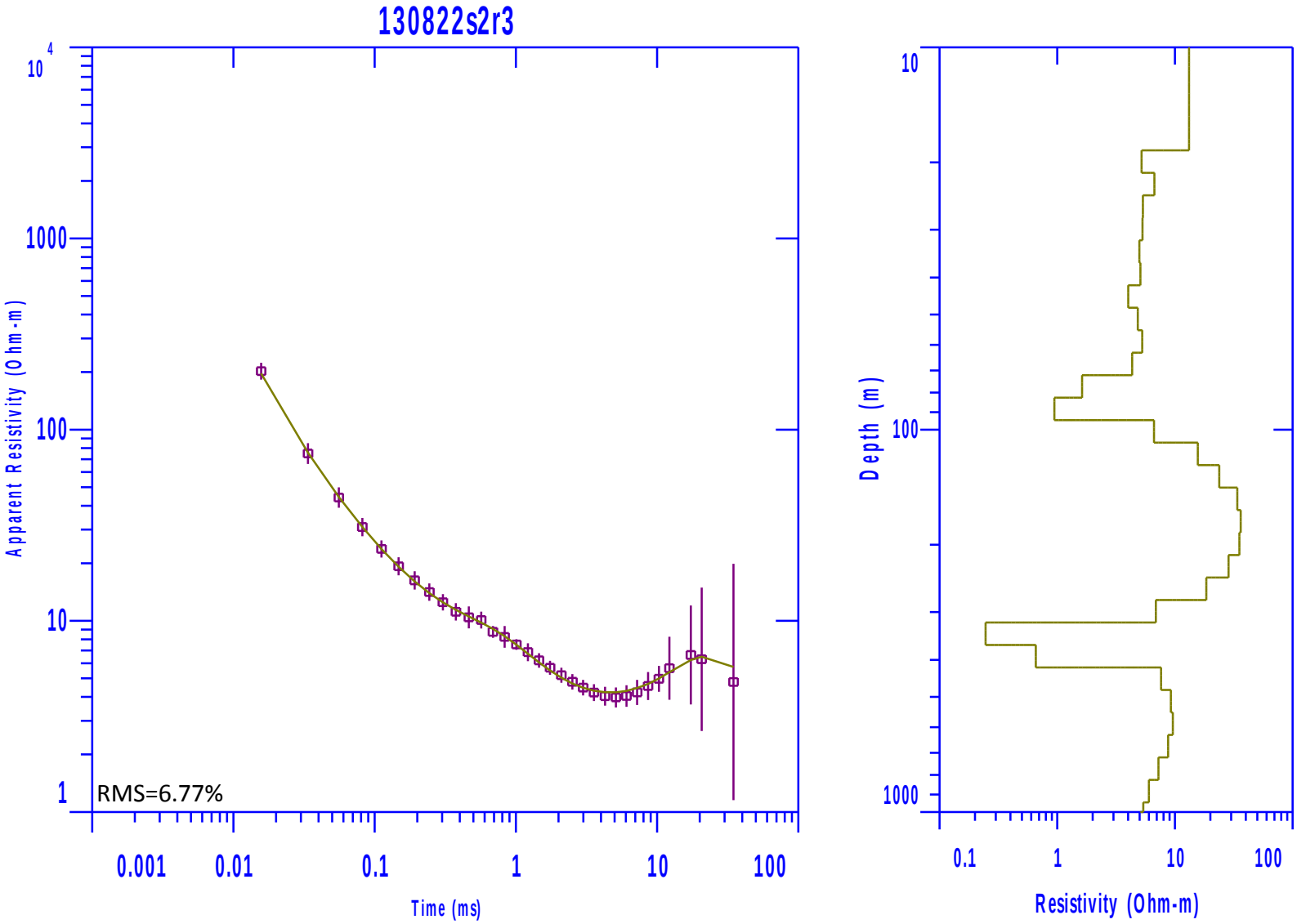

130821s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.60%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

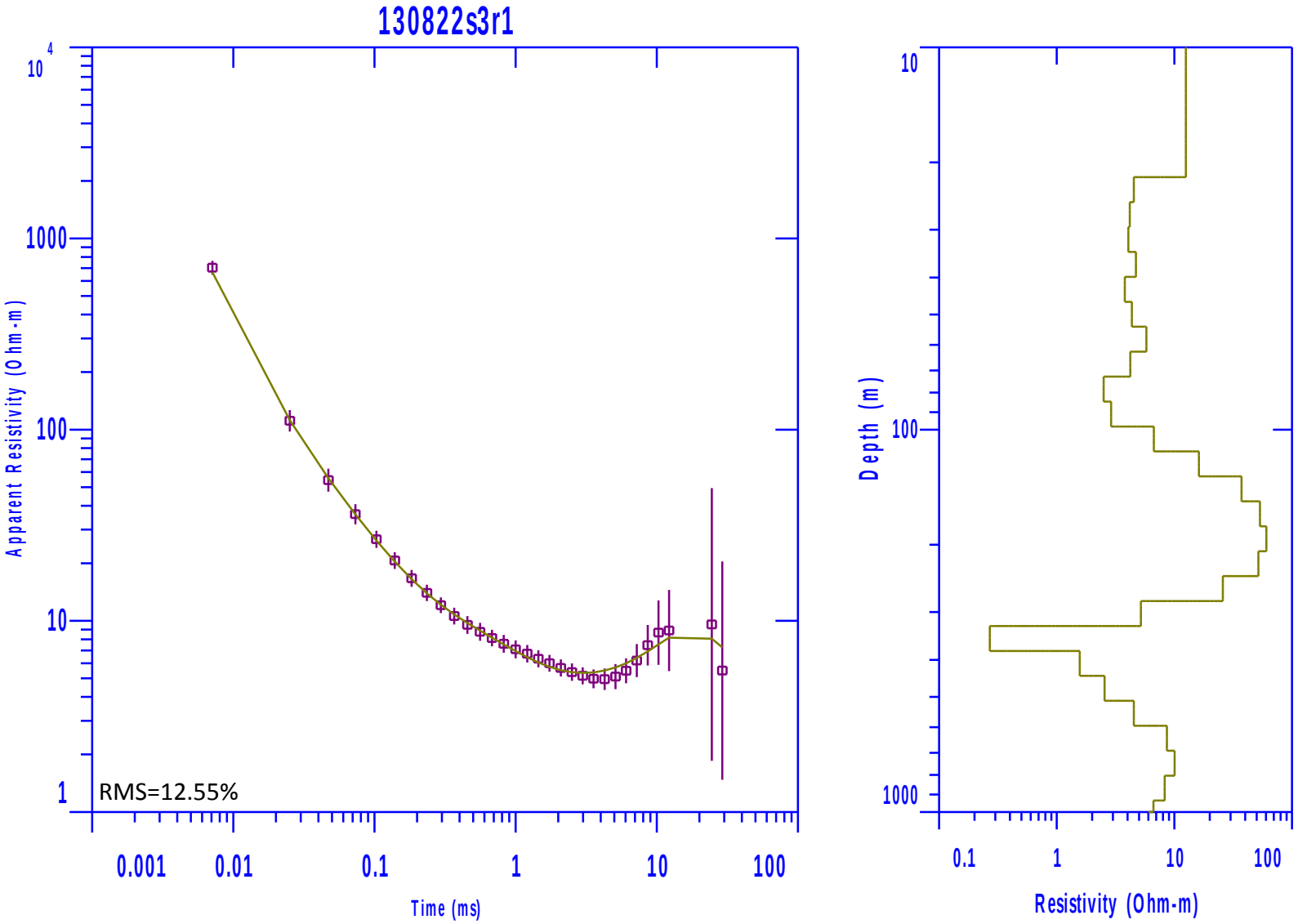

130821s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.24%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

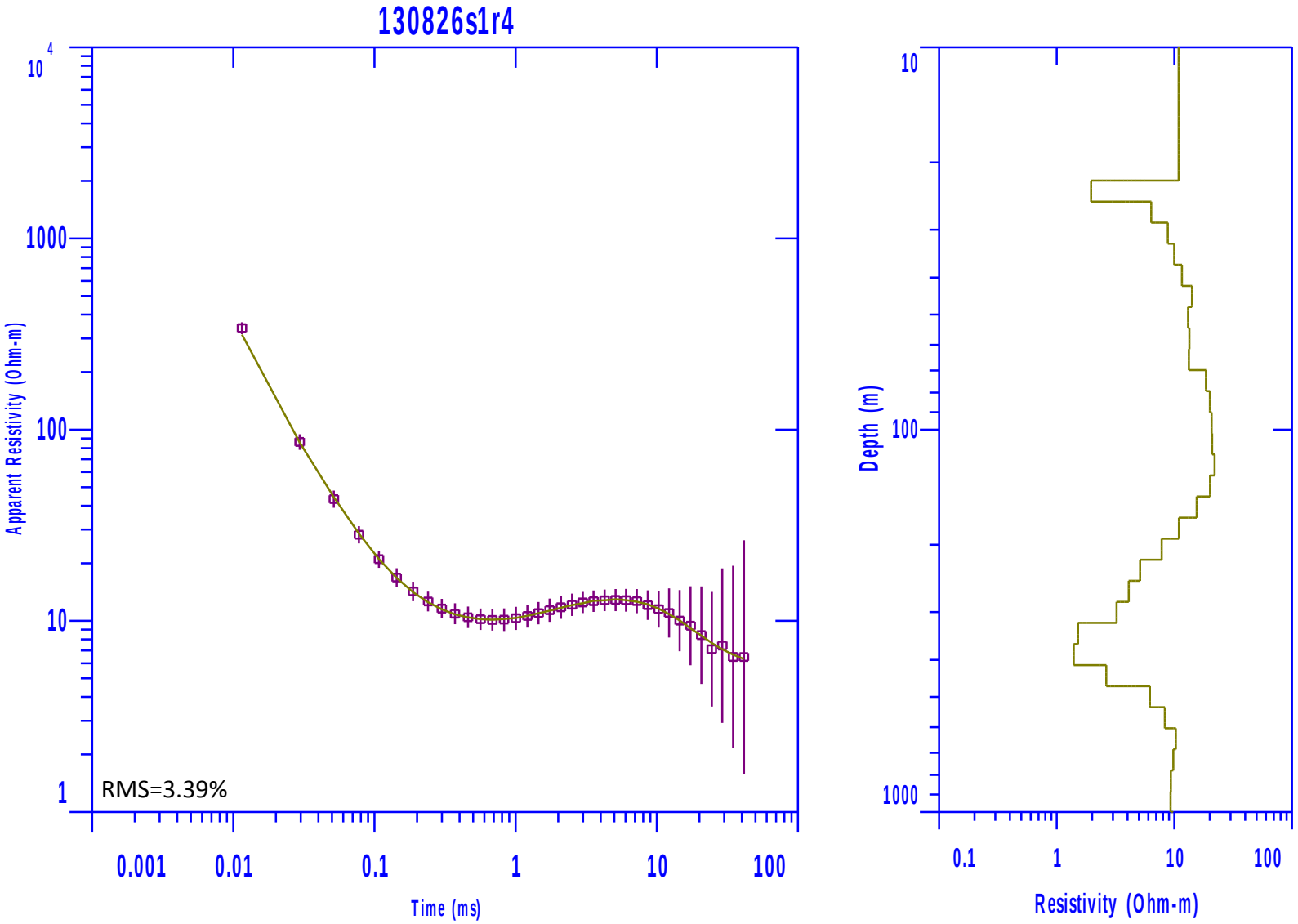

130821s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.15%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

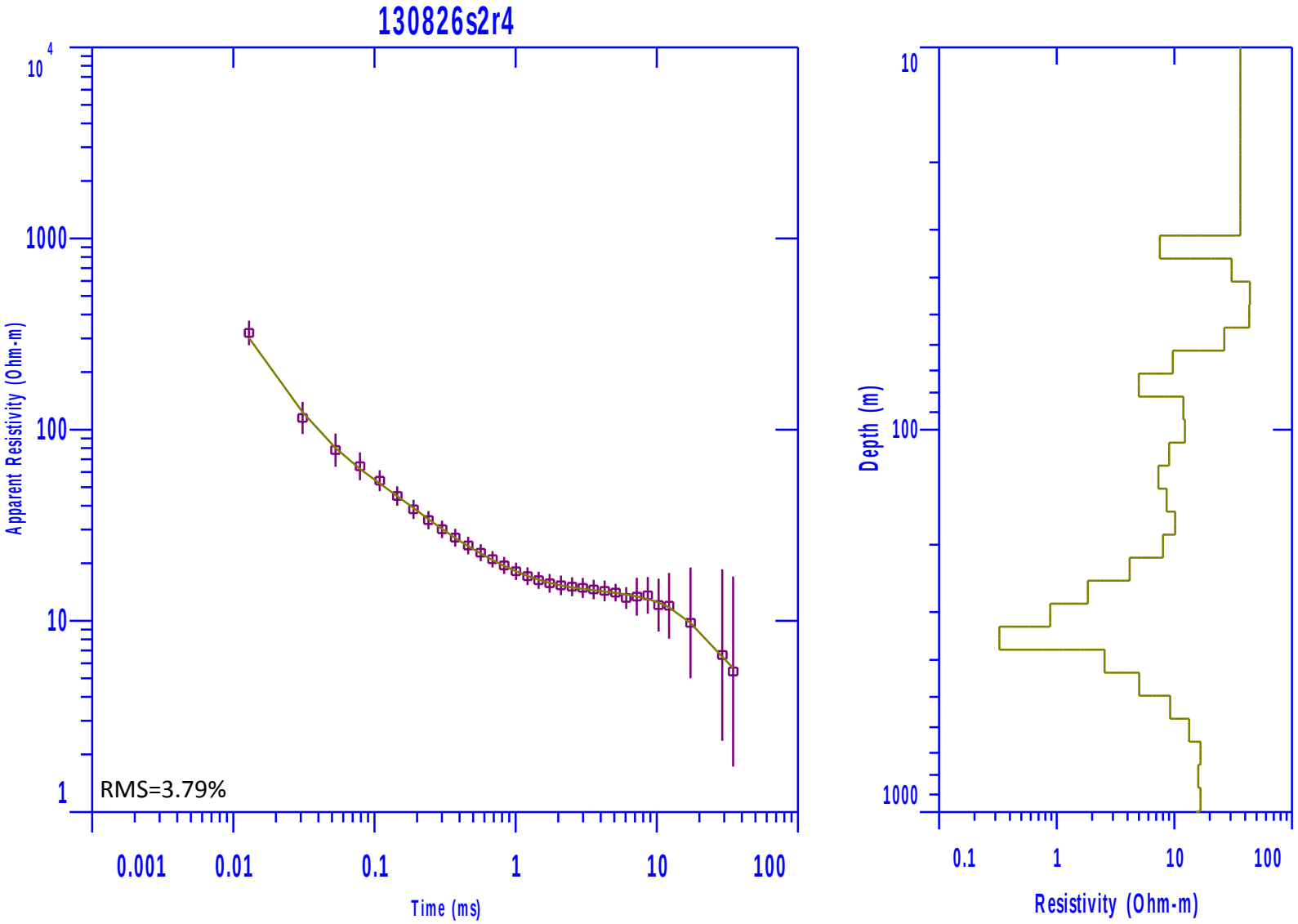

130821s4r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.14%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

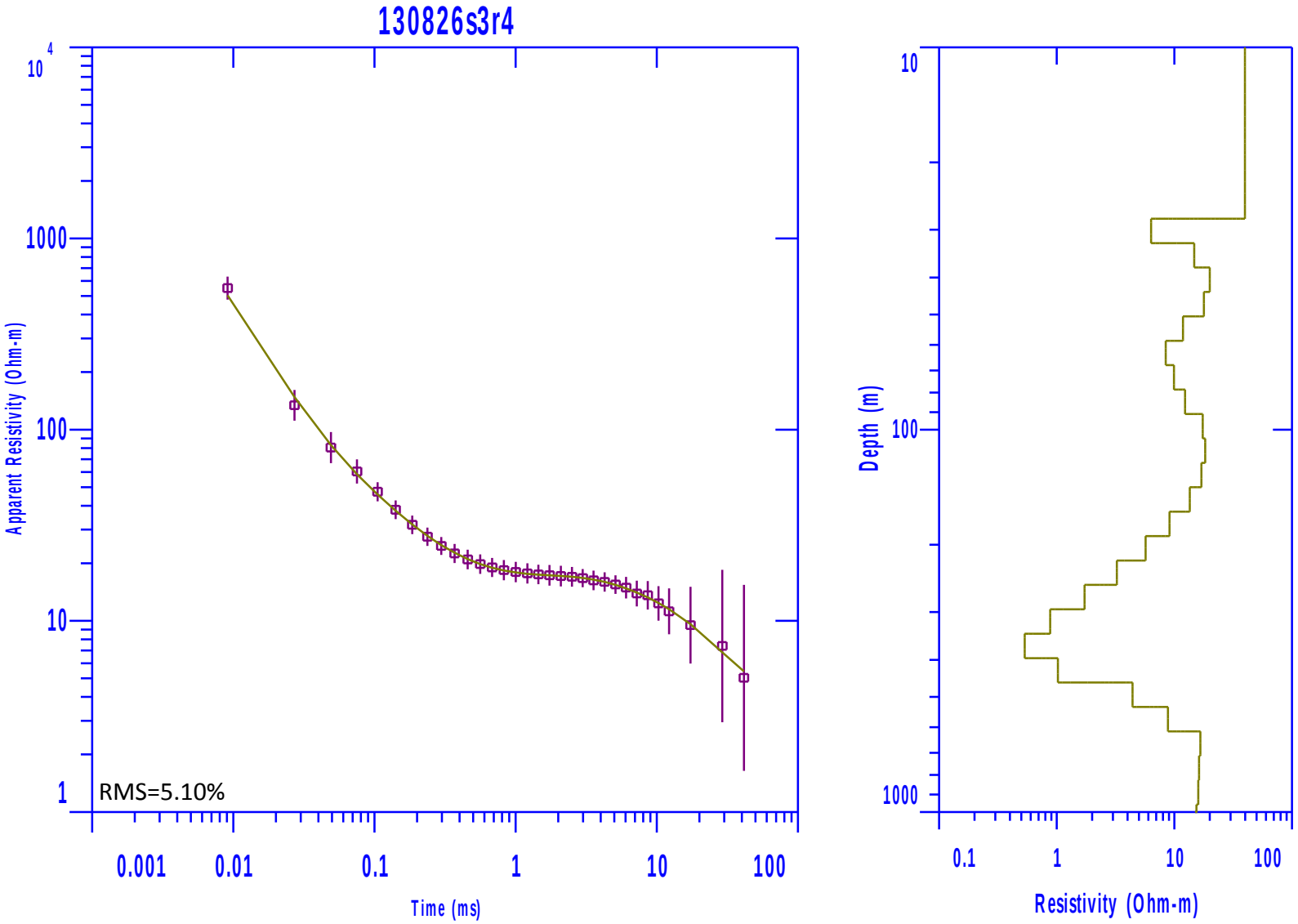

130822s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.41%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

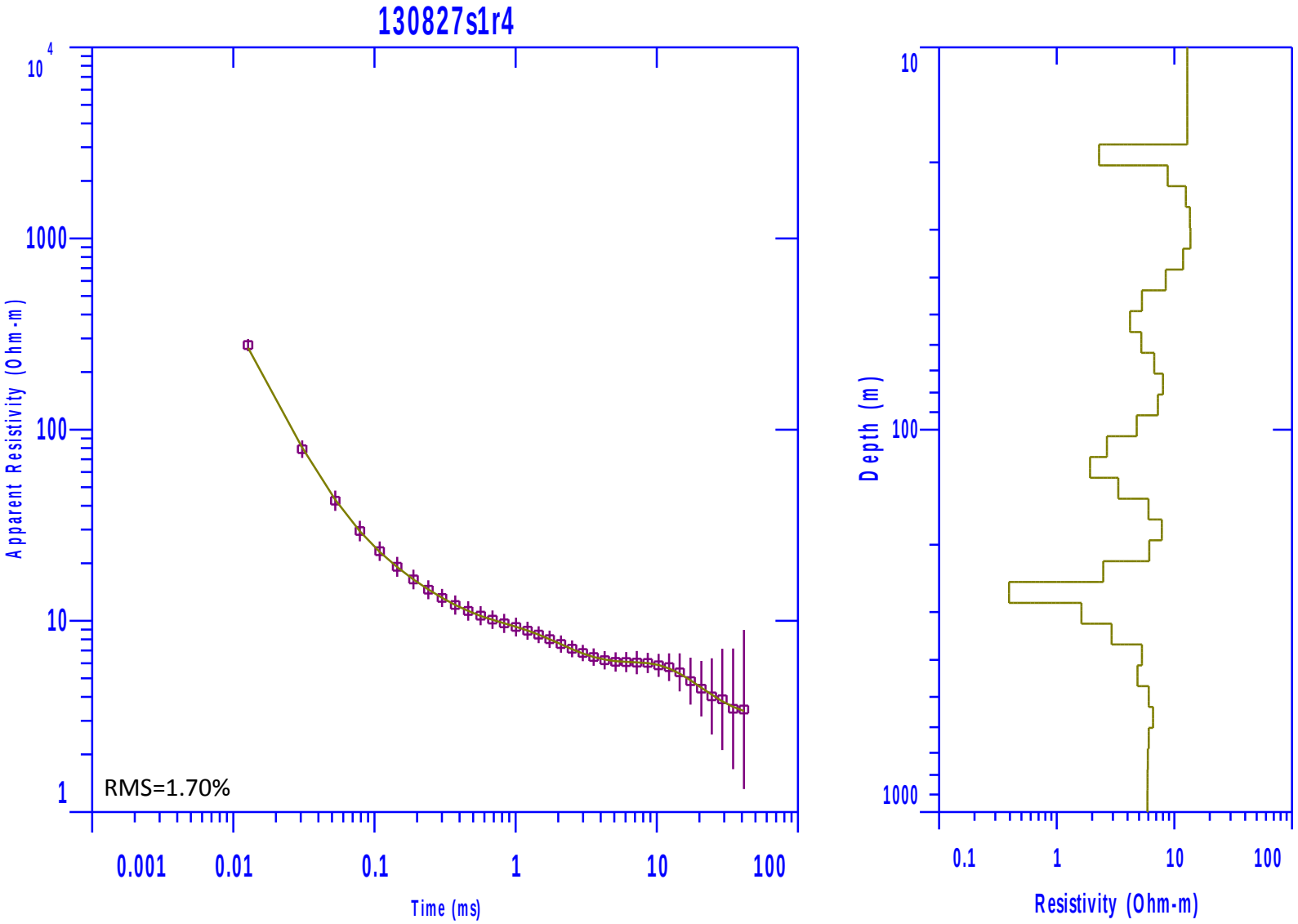

130822s2r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=6.77%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

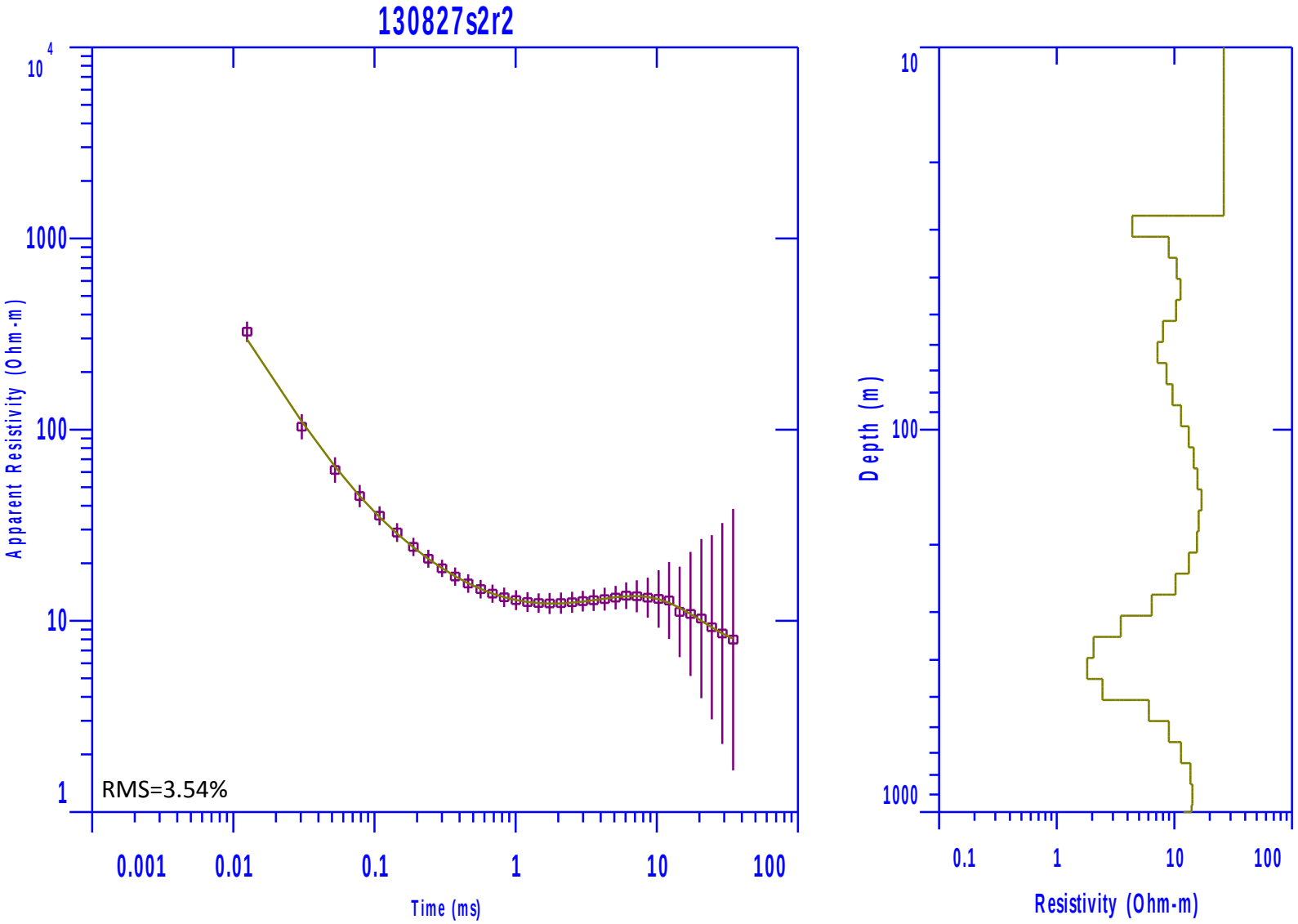

130822s3r1
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=12.55%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

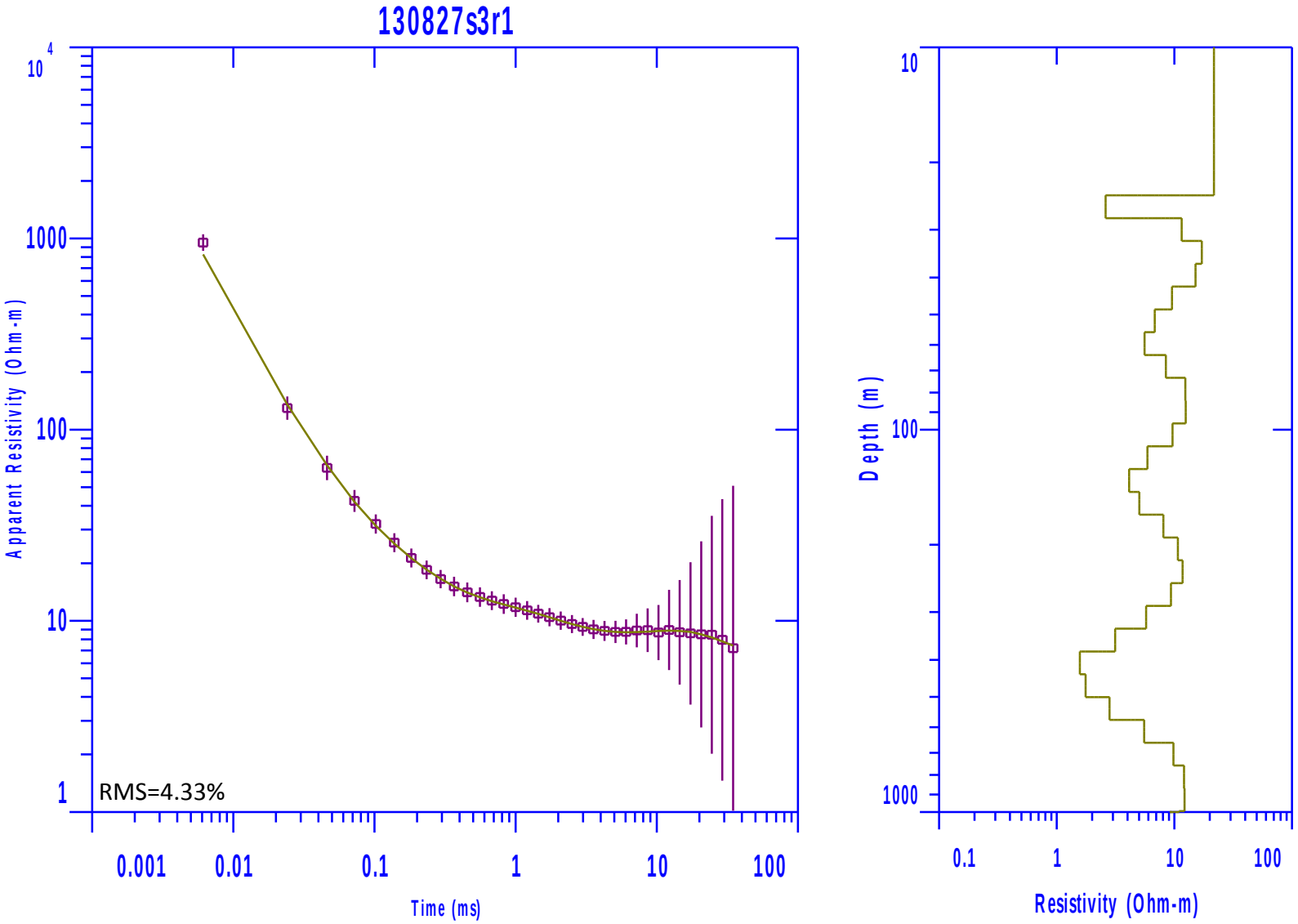

130826s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.39%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

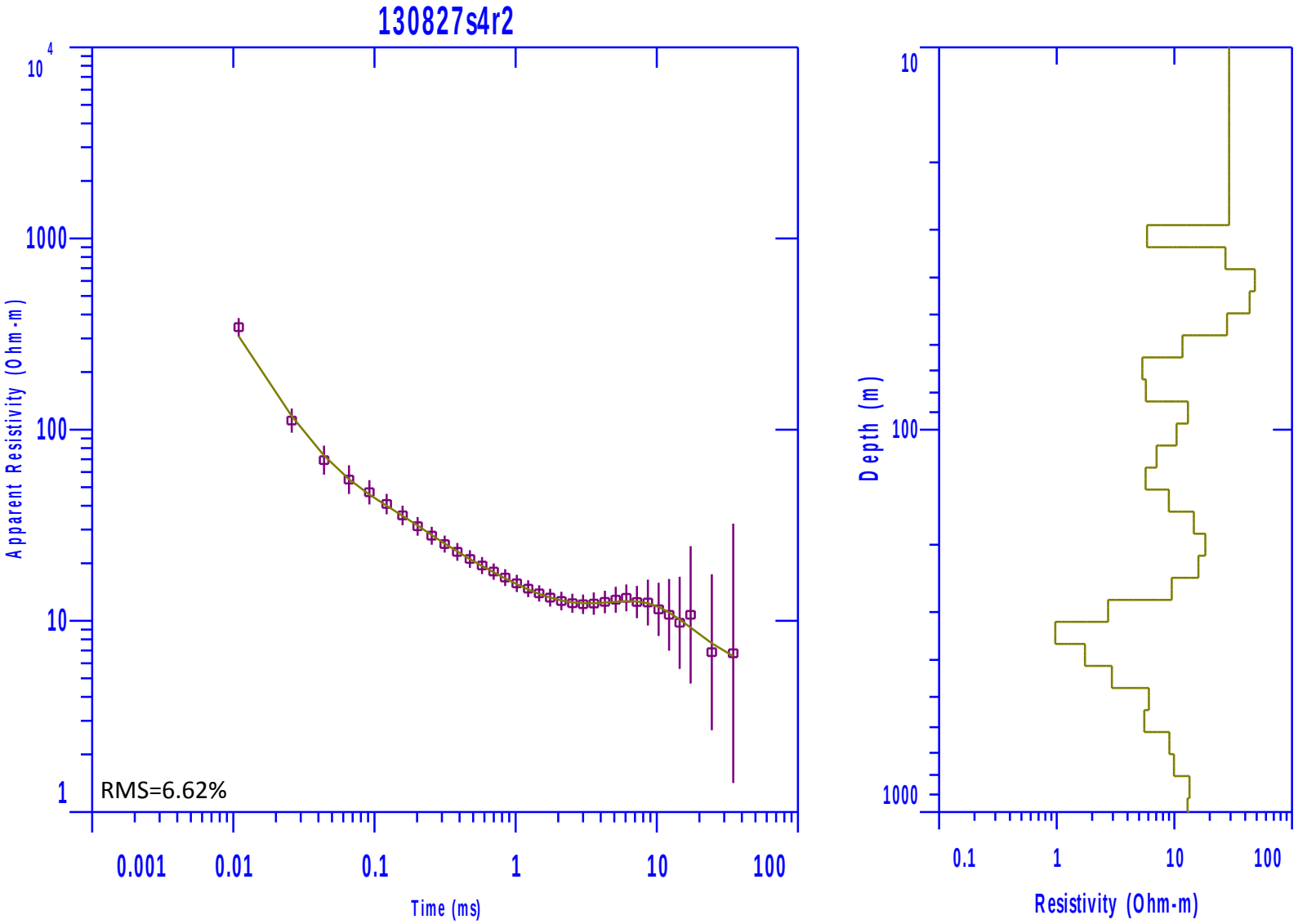

130826s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.79%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

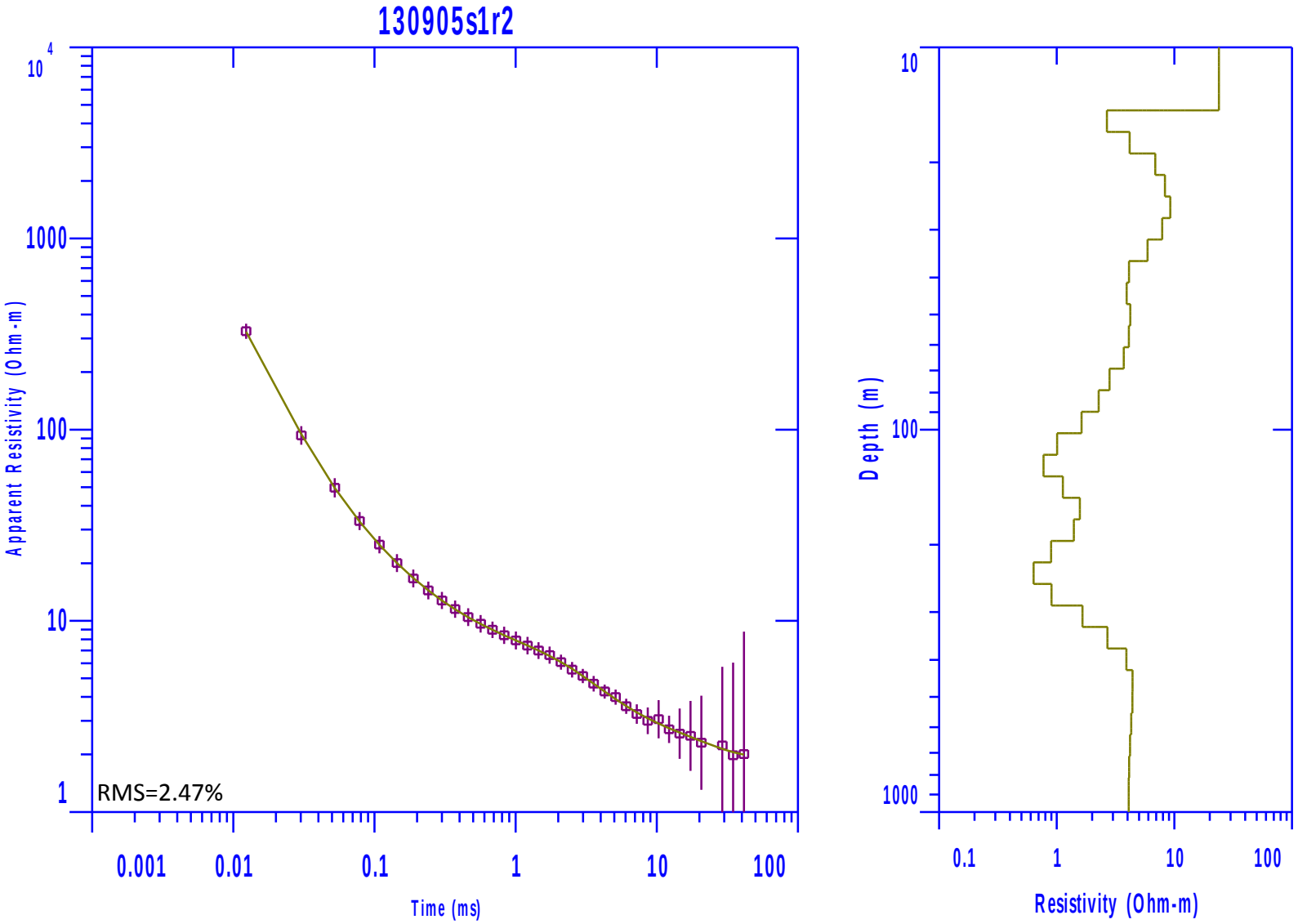

130826s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=5.10%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

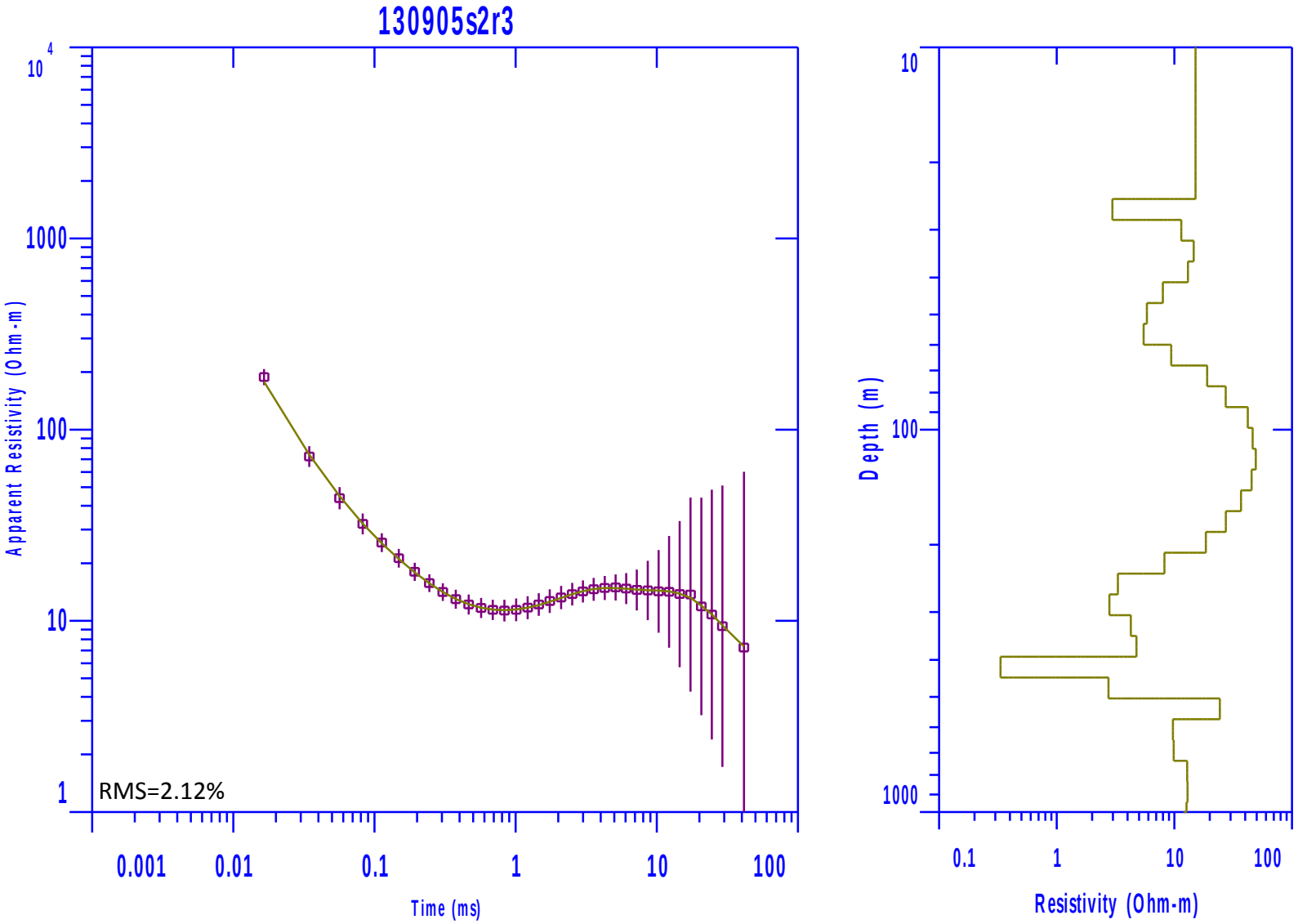

130827s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.70%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

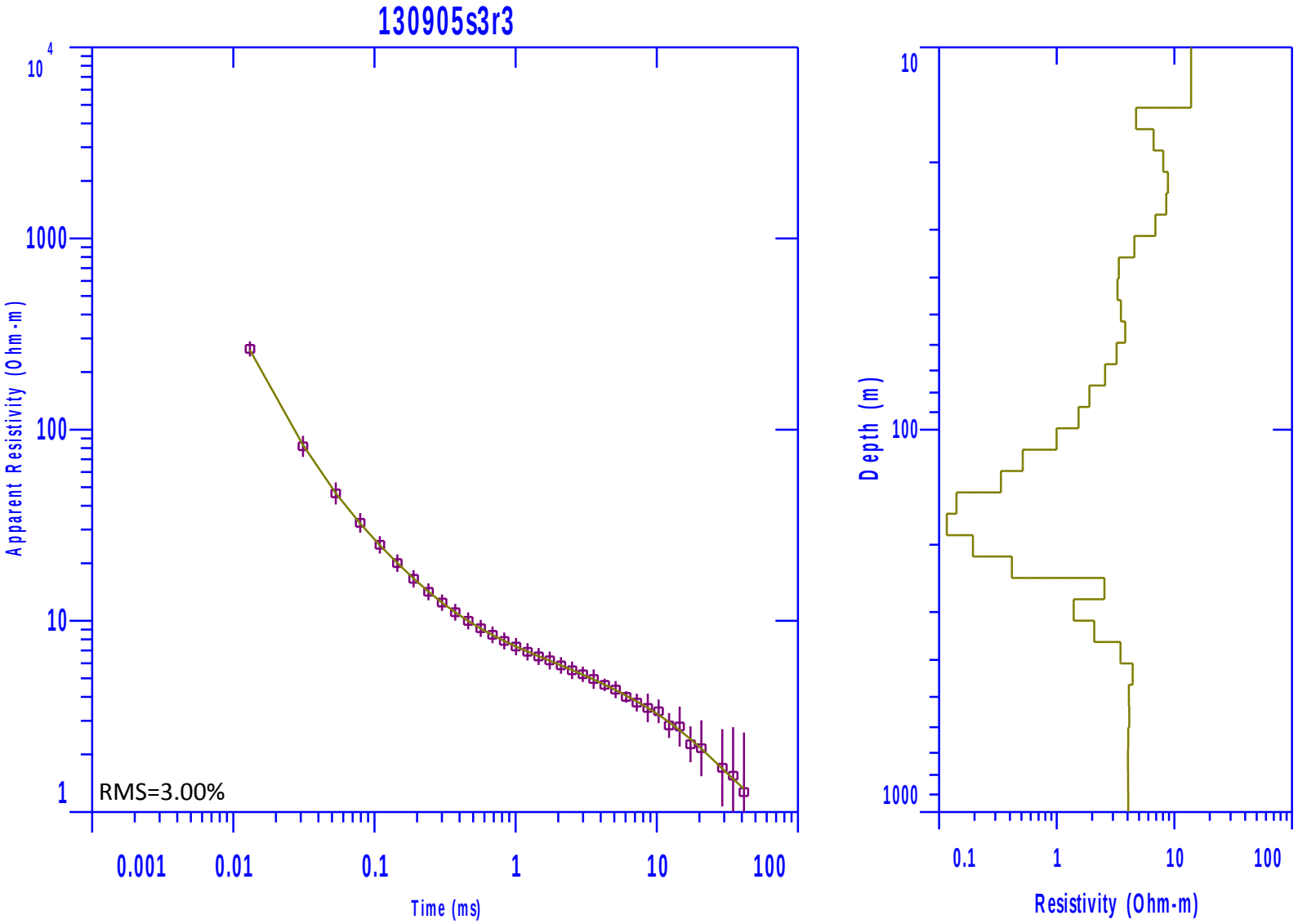

130827s2r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.54%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

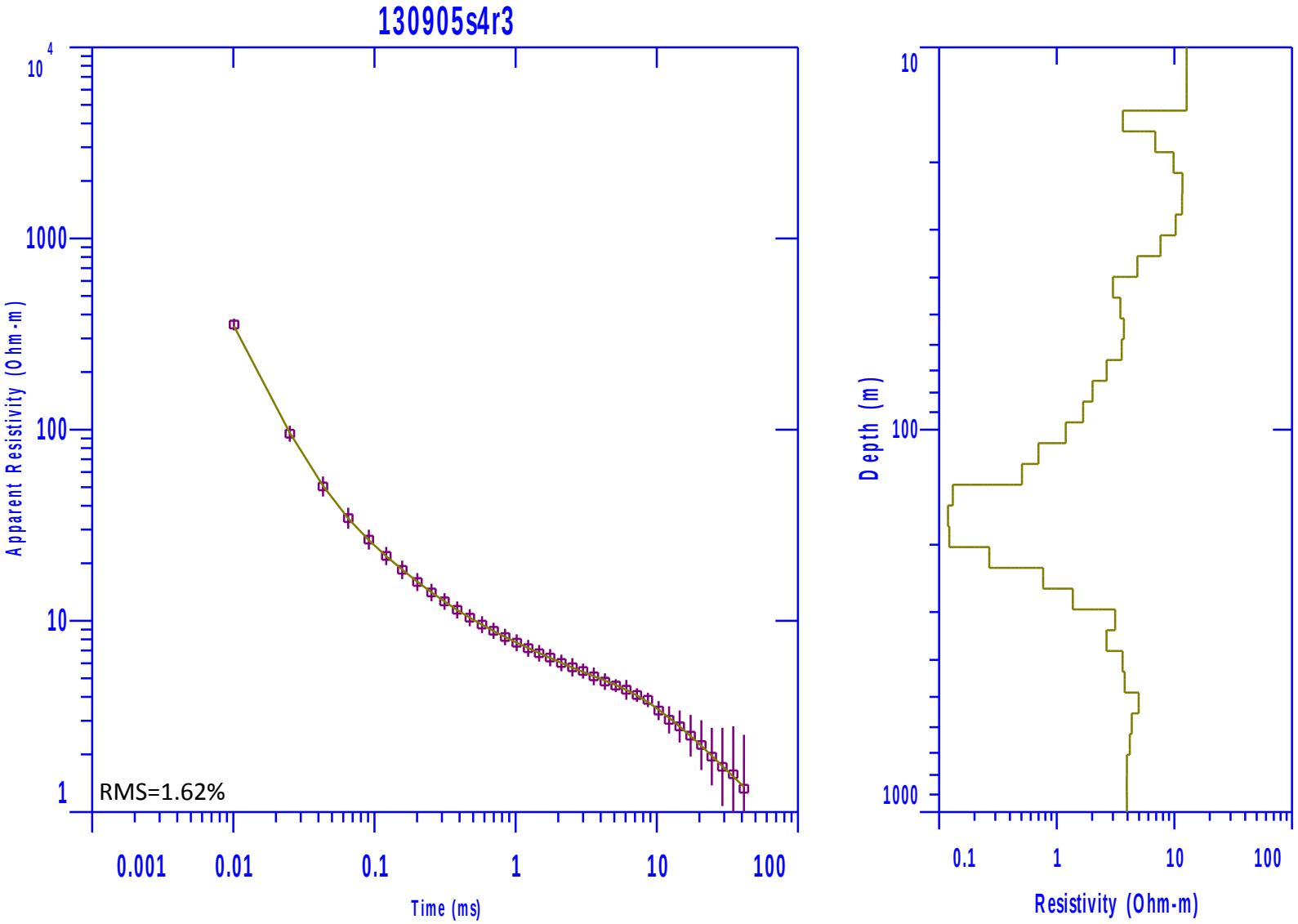

130827s3r1
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.33%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

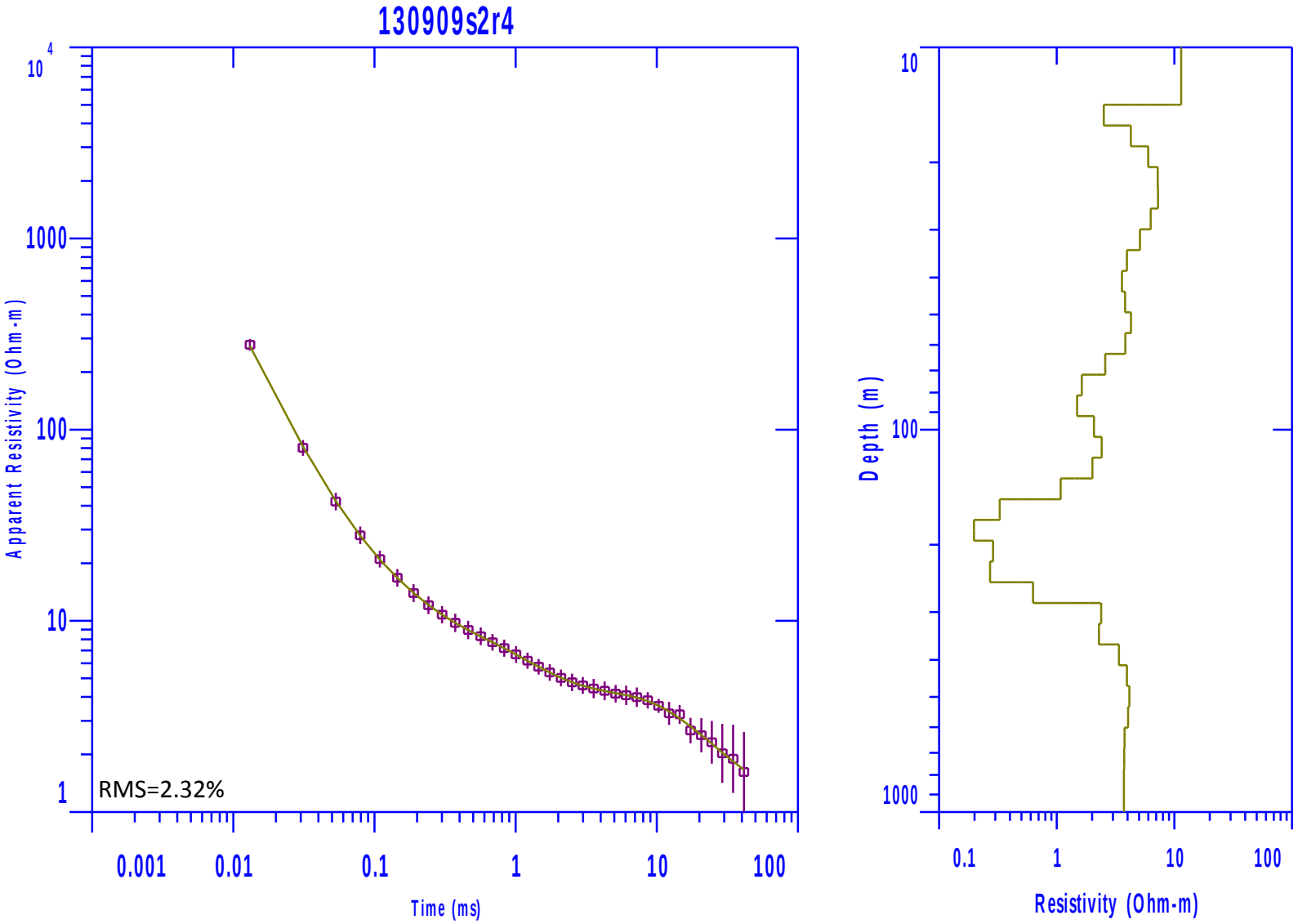

130827s4r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=6.62%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

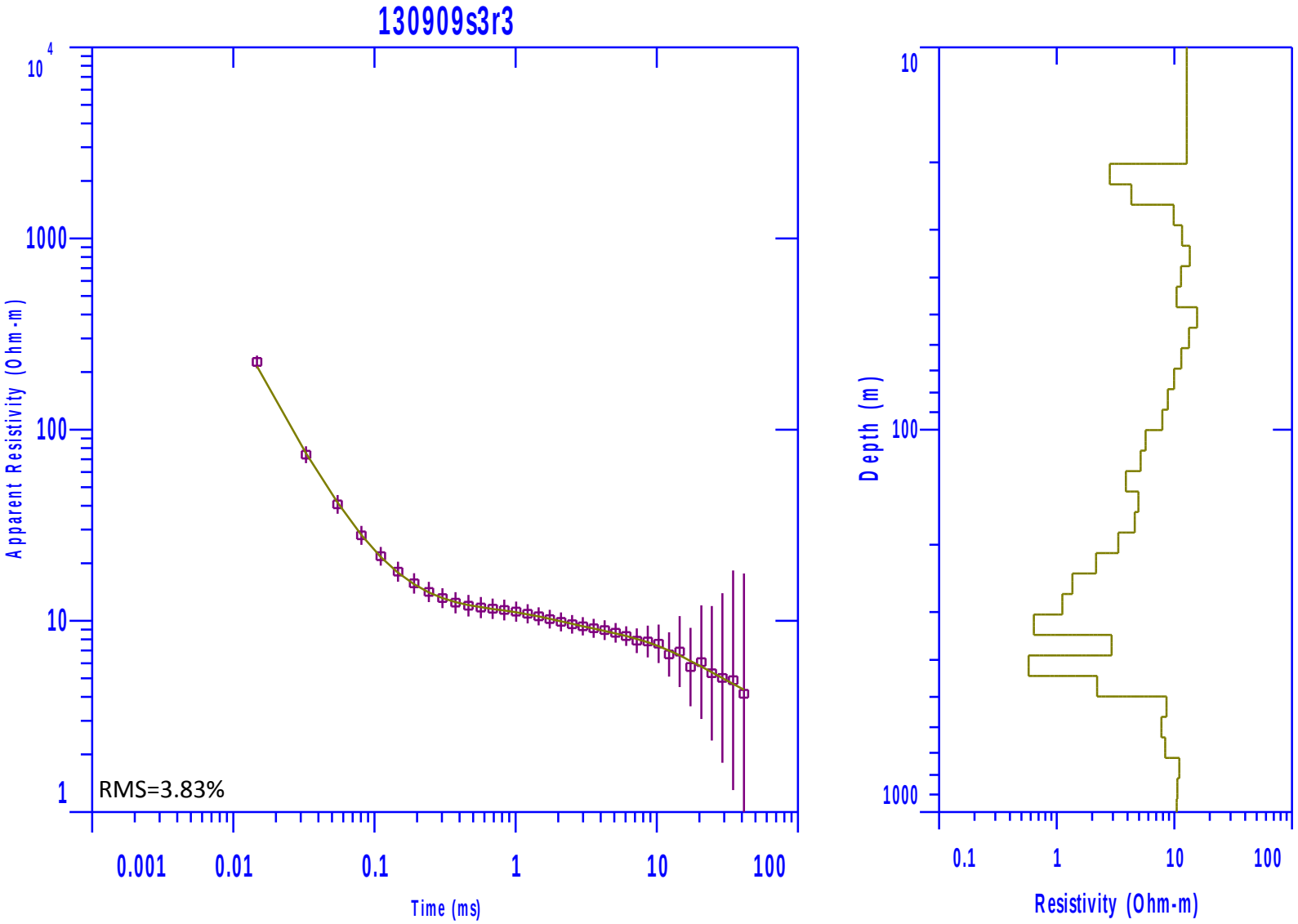

130905s1r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.47%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

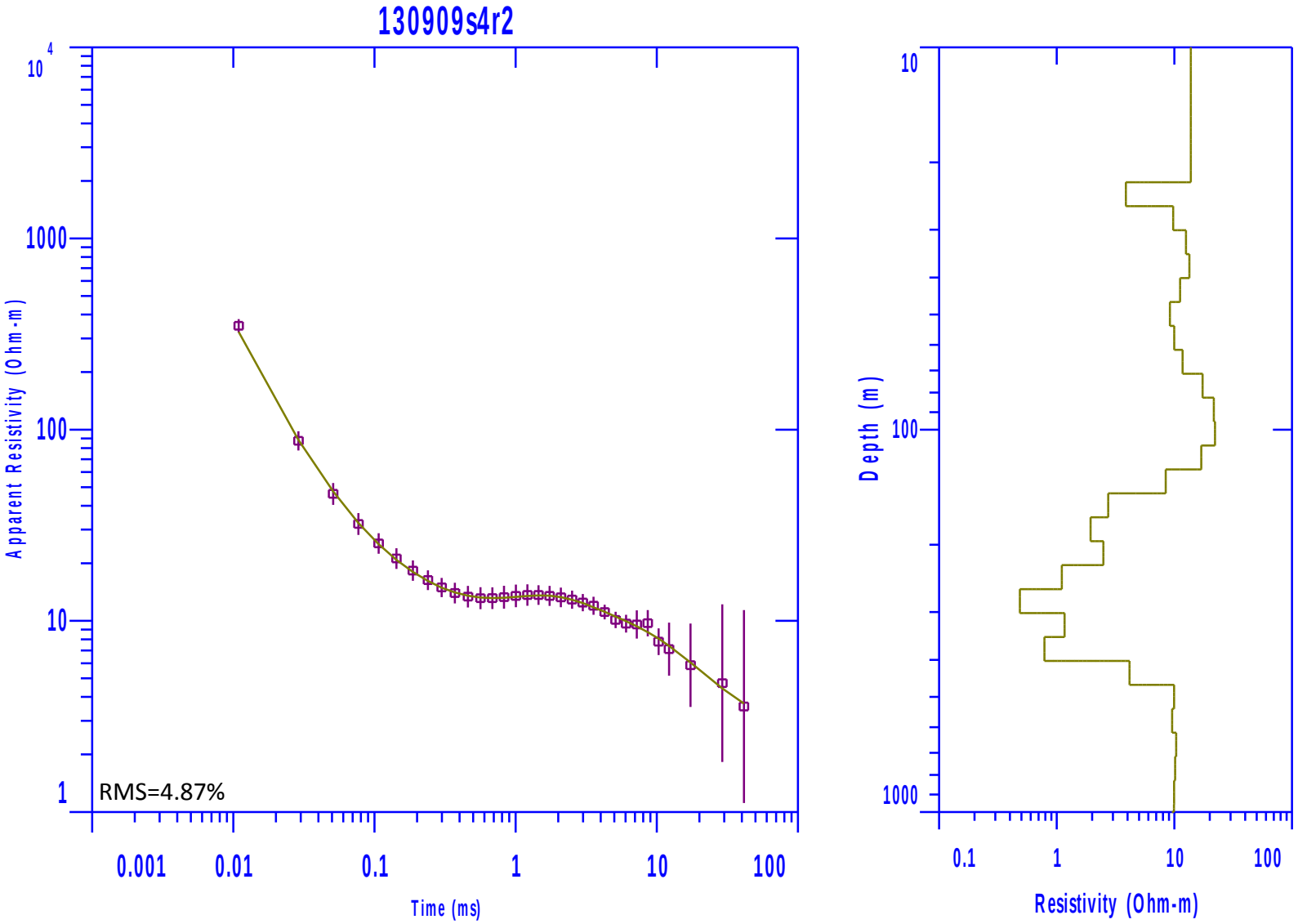

130905s2r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.12%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

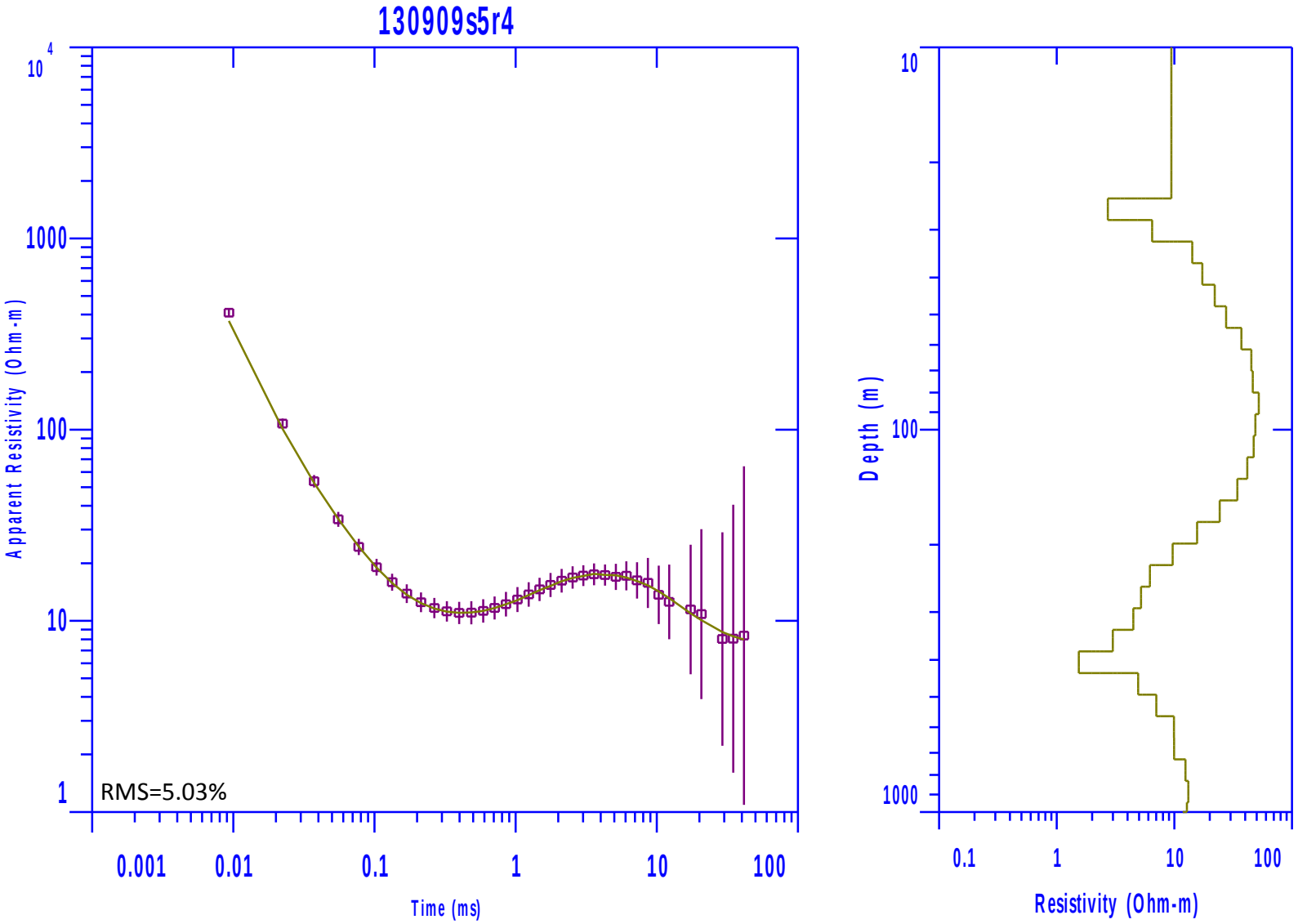

130905s3r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.00%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

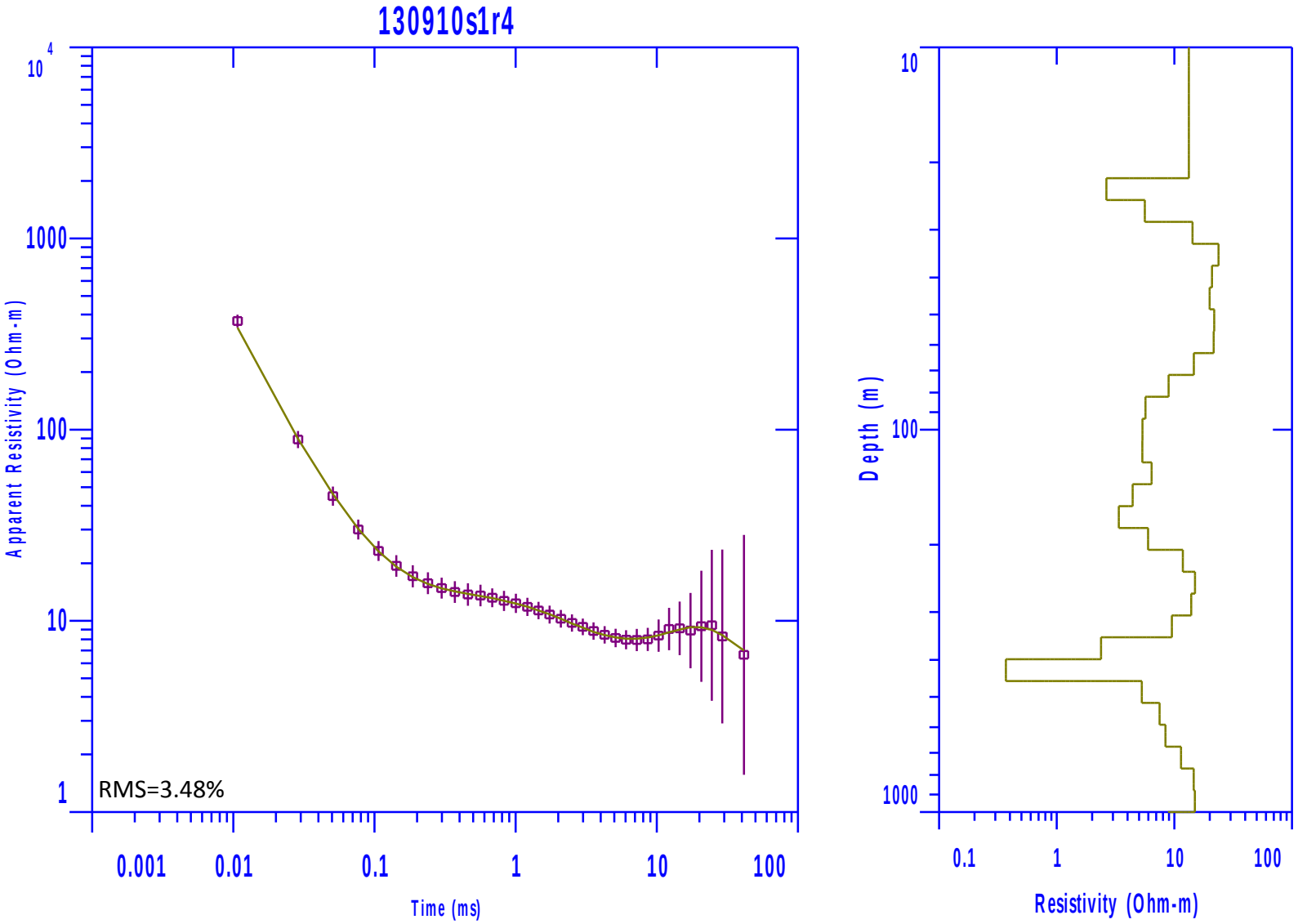

130905s4r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.62%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

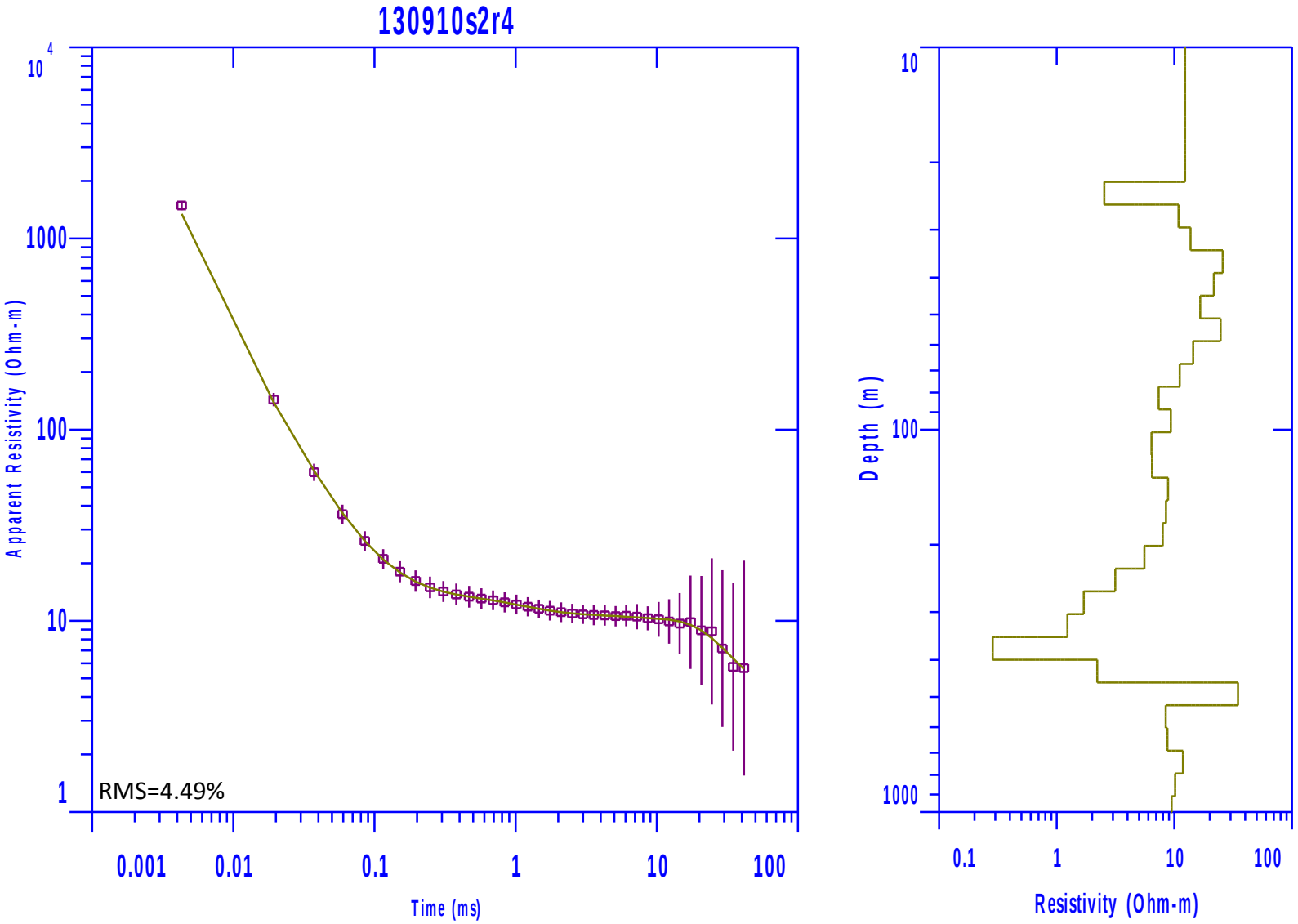

130909s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.32%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

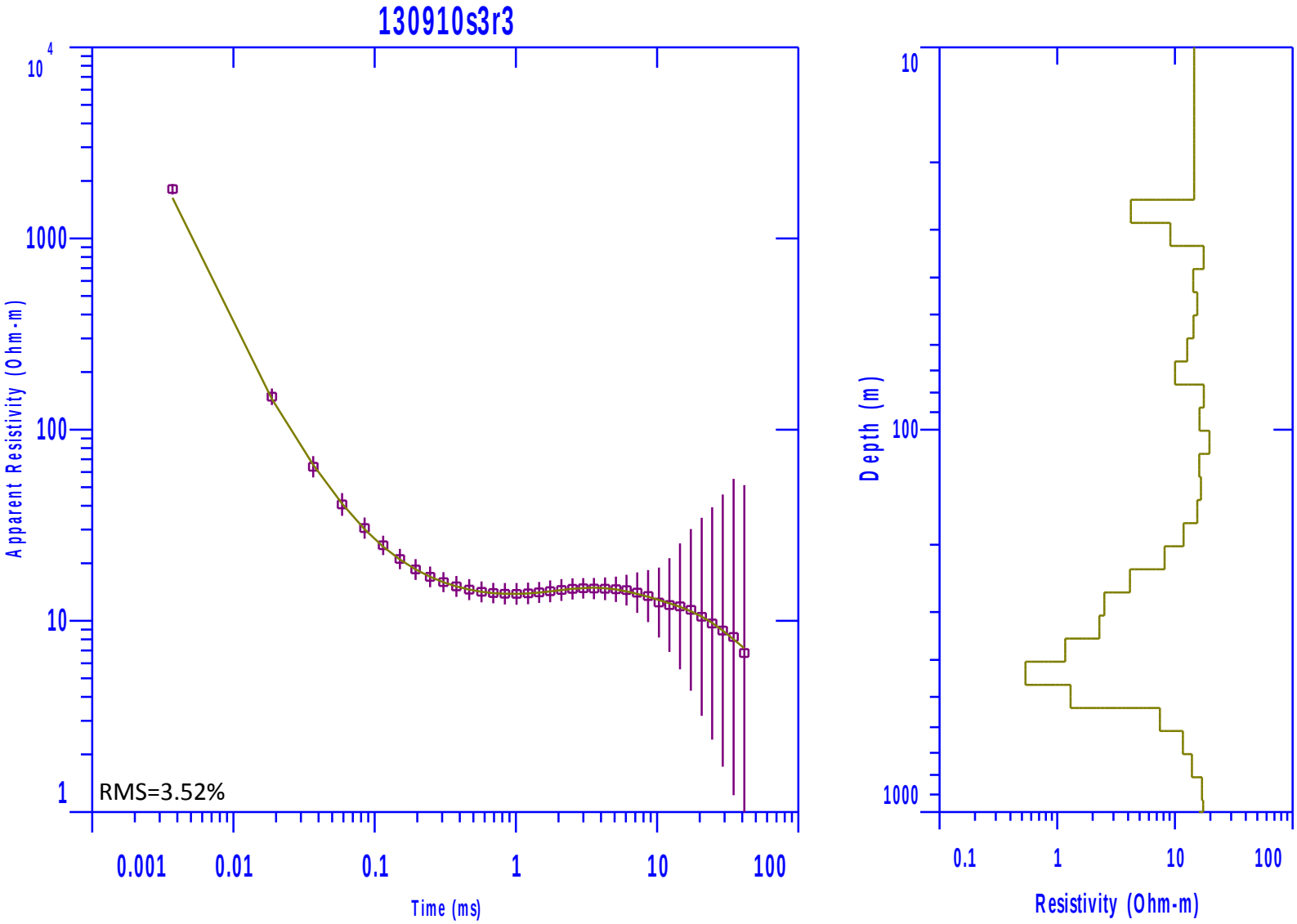

130909s3r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.83%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

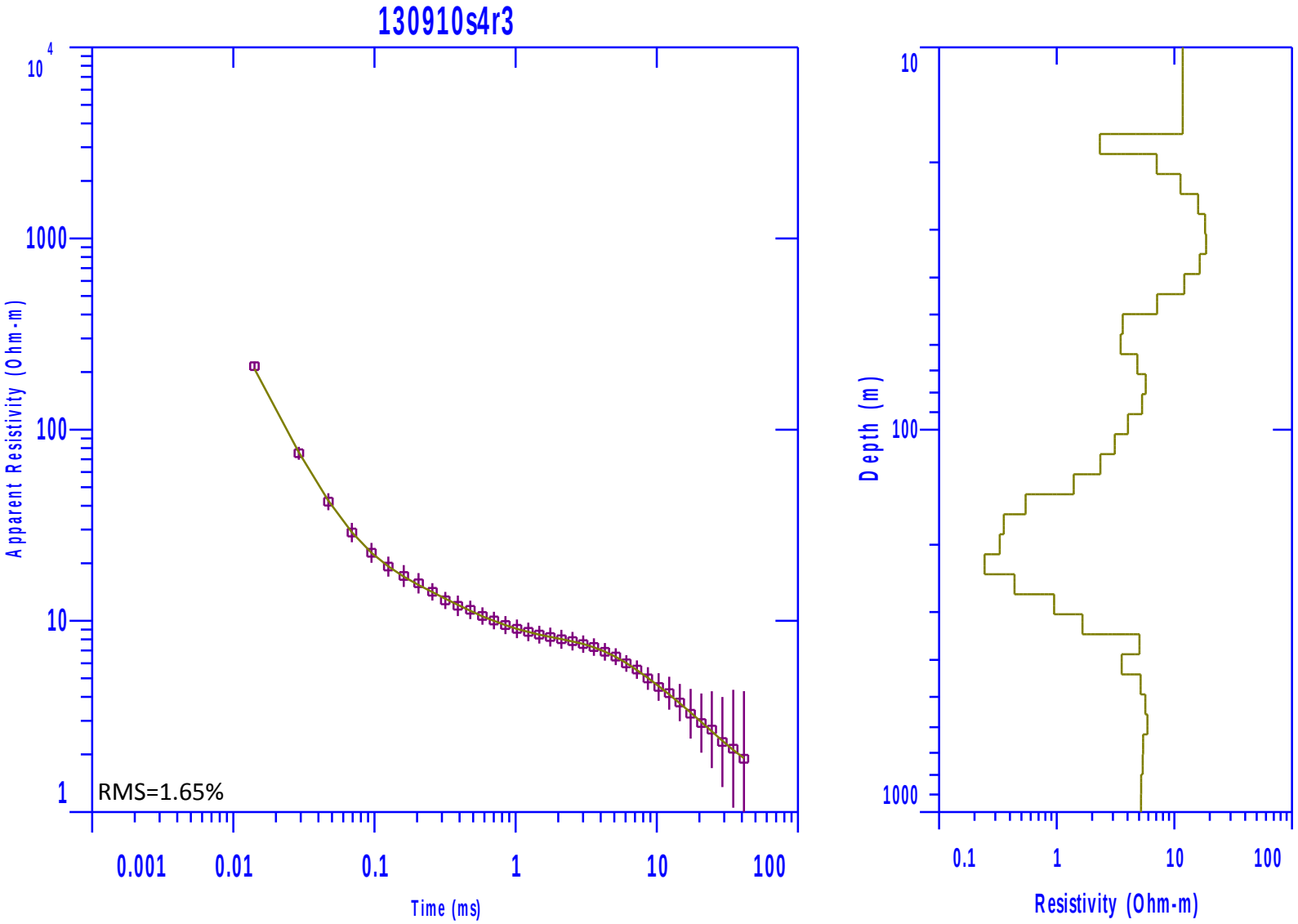

130909s4r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.87%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

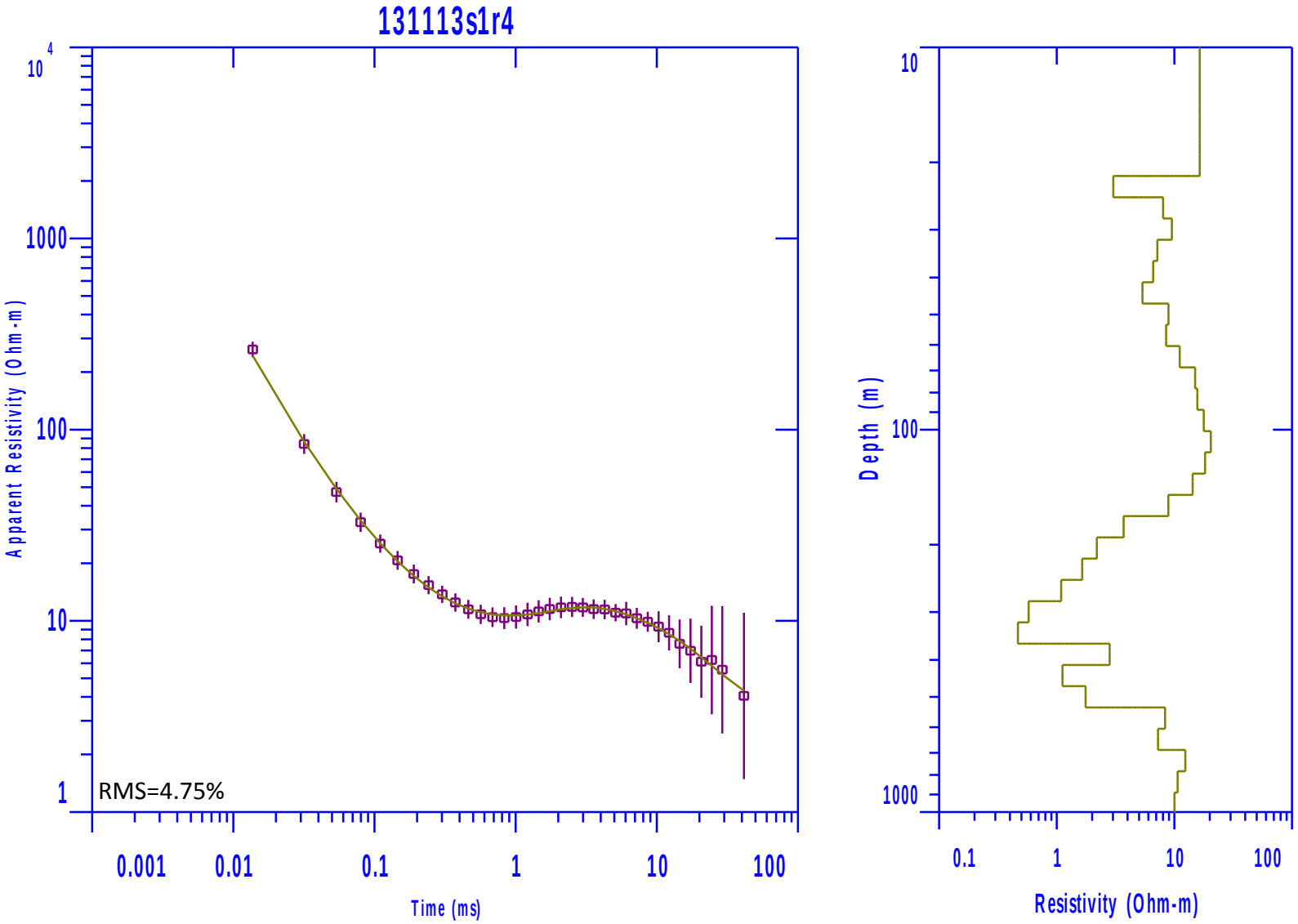

130909s5r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=5.03%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

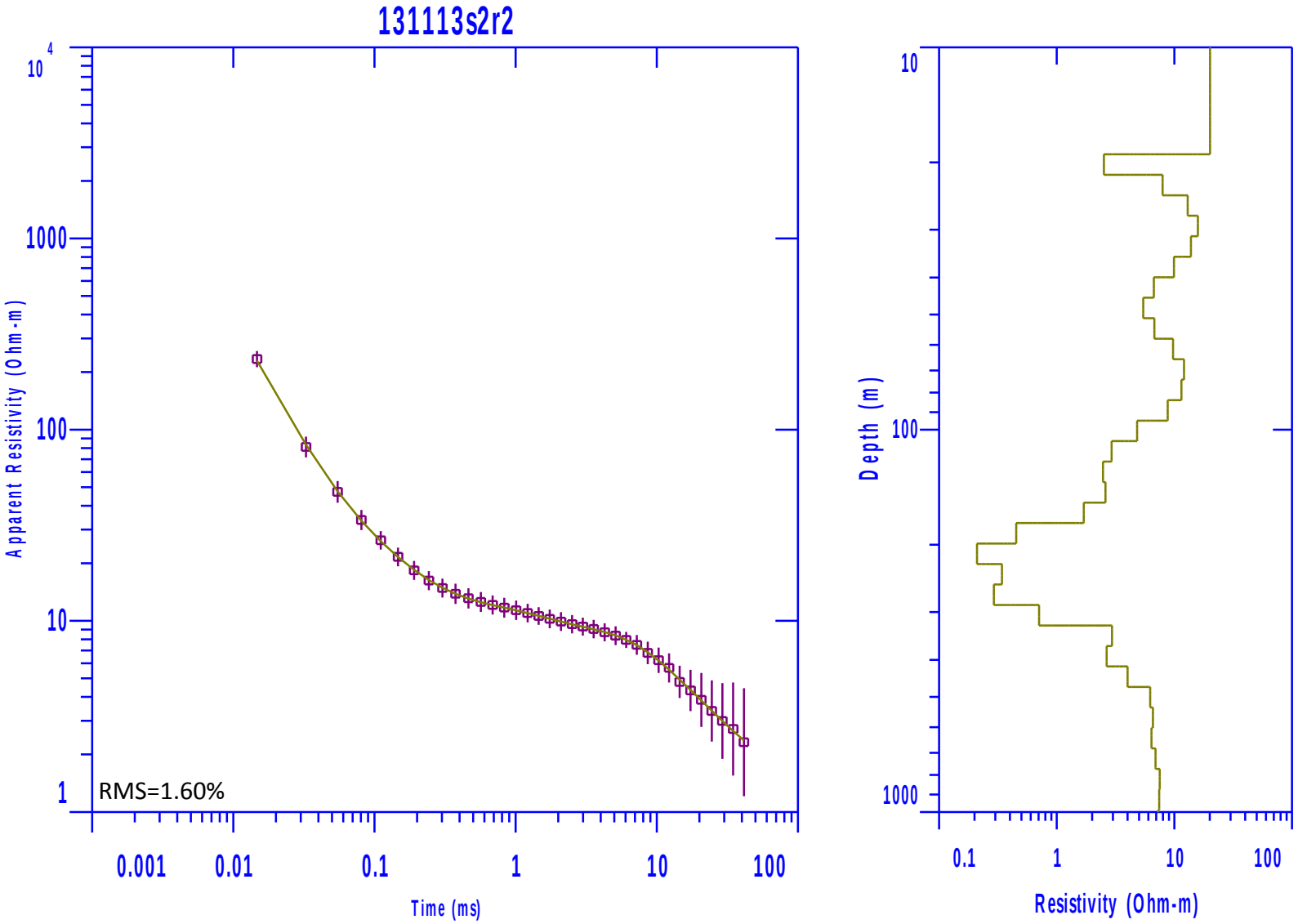

130910s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.48%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

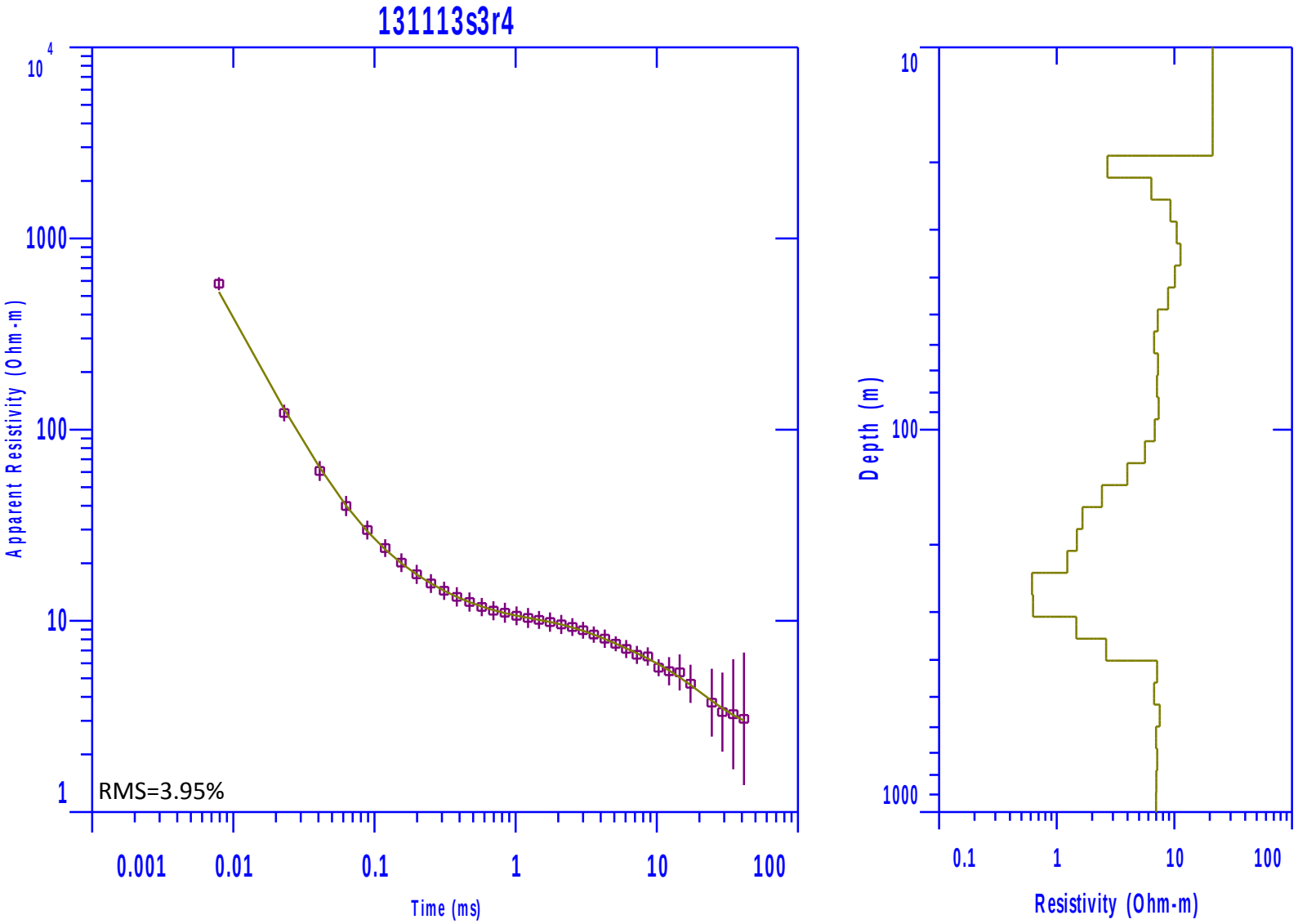

130910s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.49%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

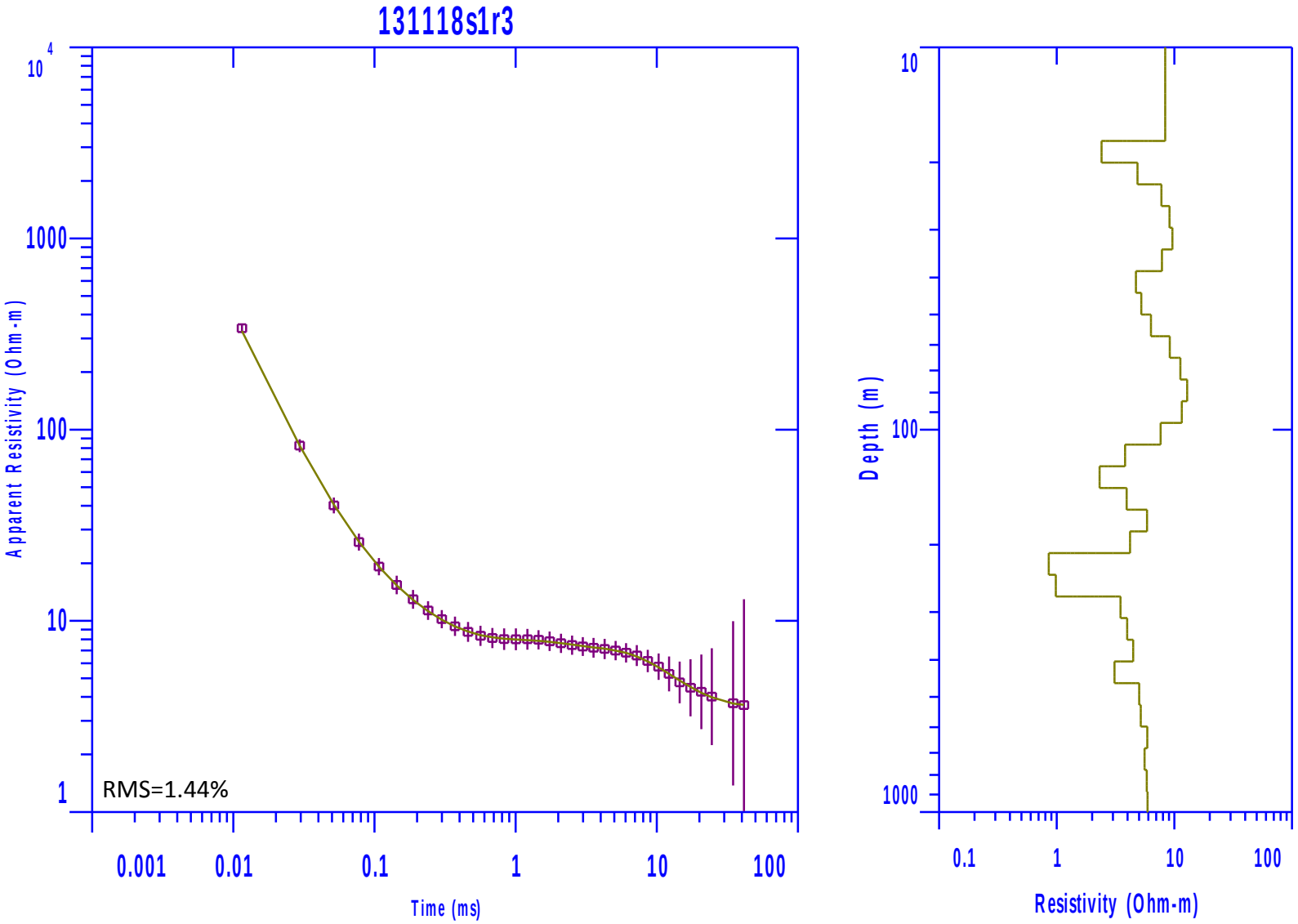

130910s3r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.52%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

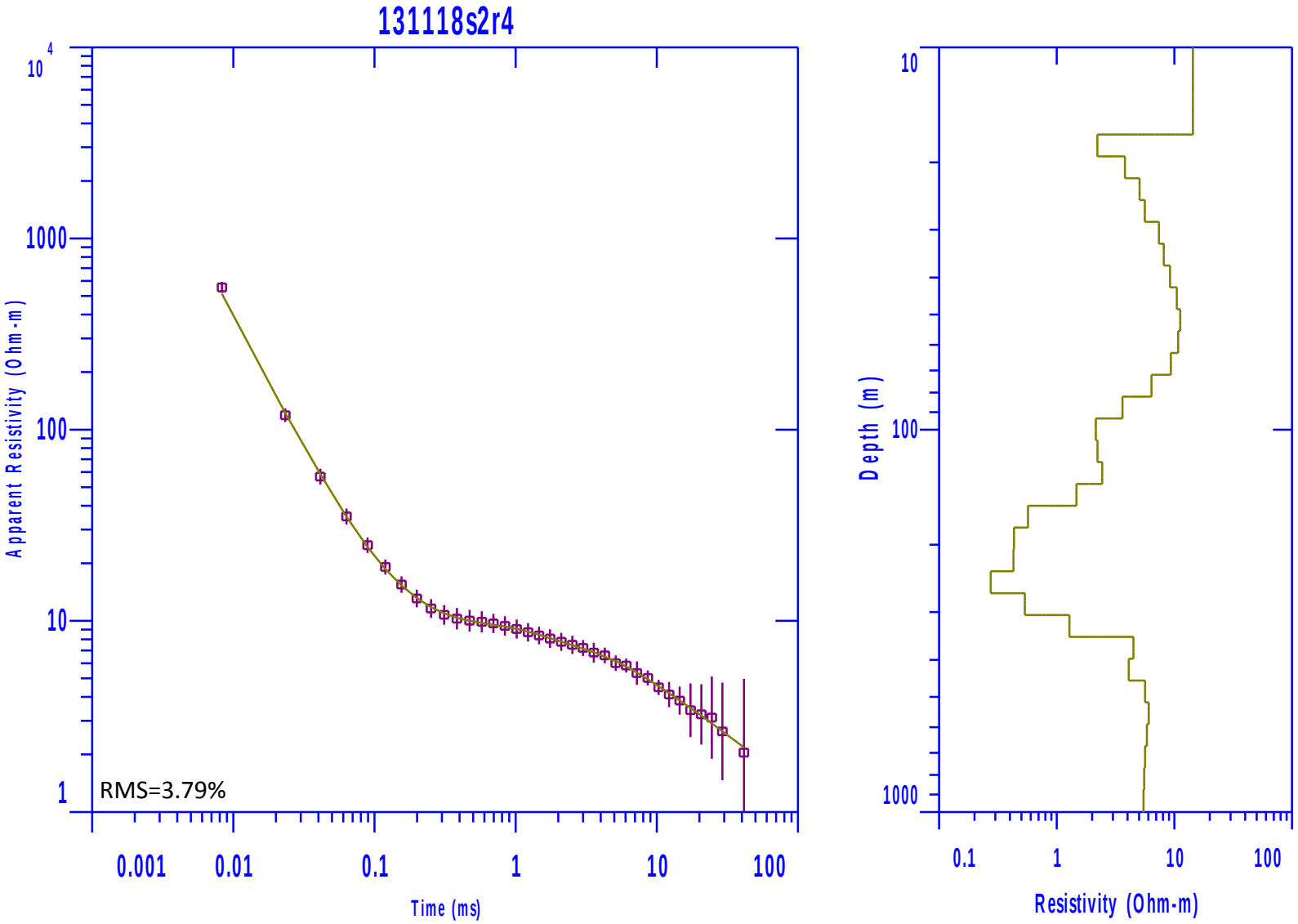

130910s4r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.65%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

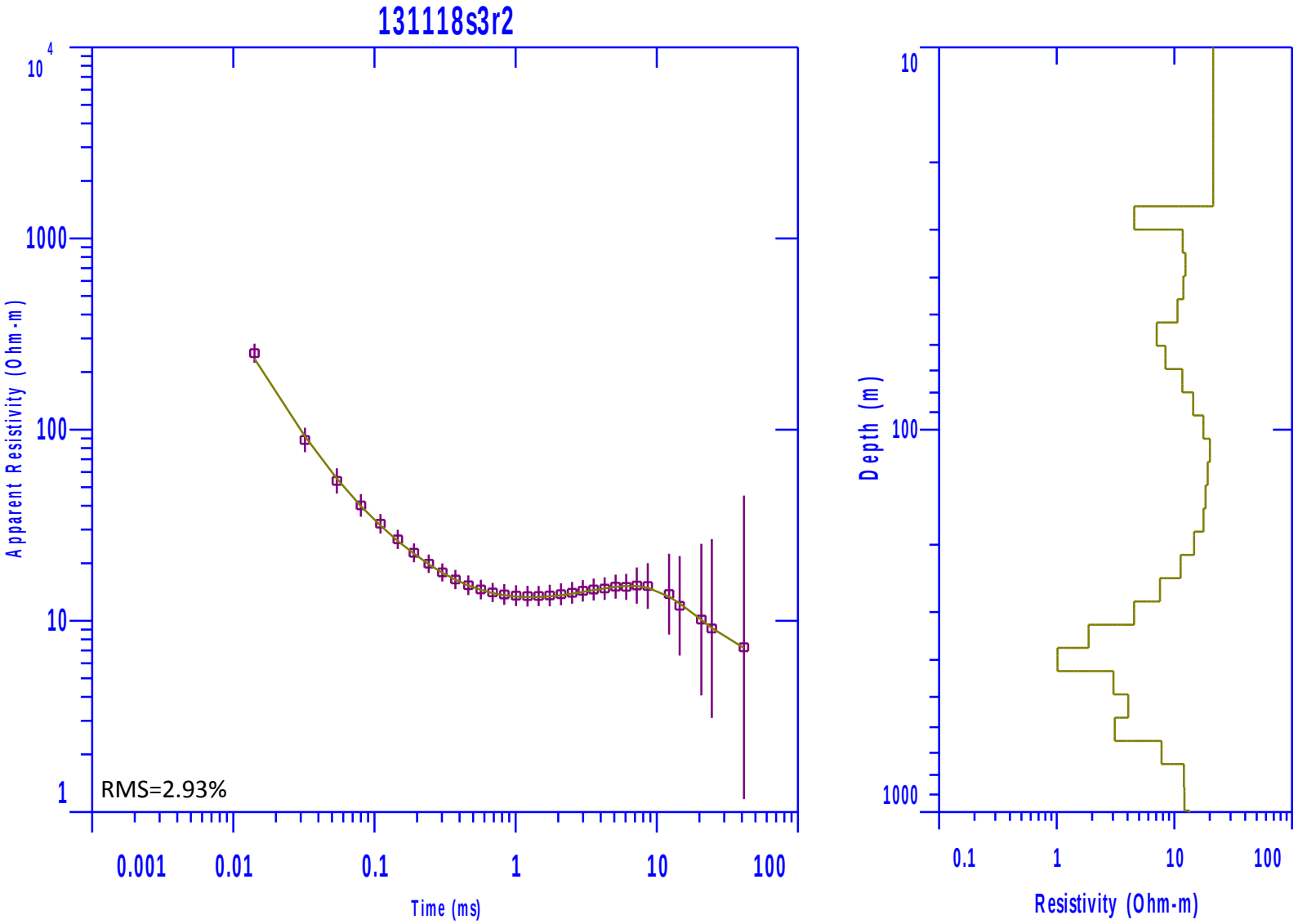

131113s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.75%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

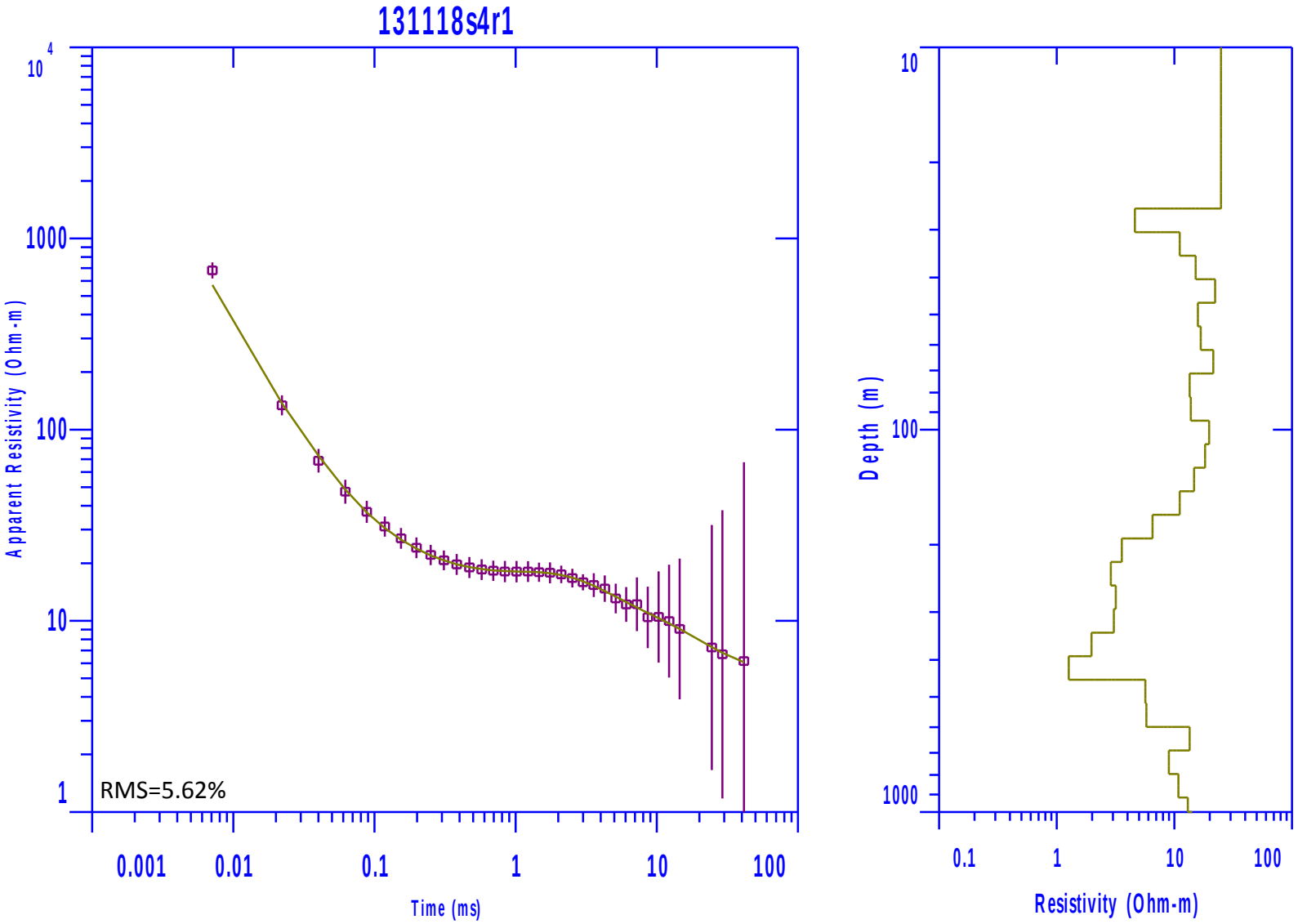

131113s2r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.60%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

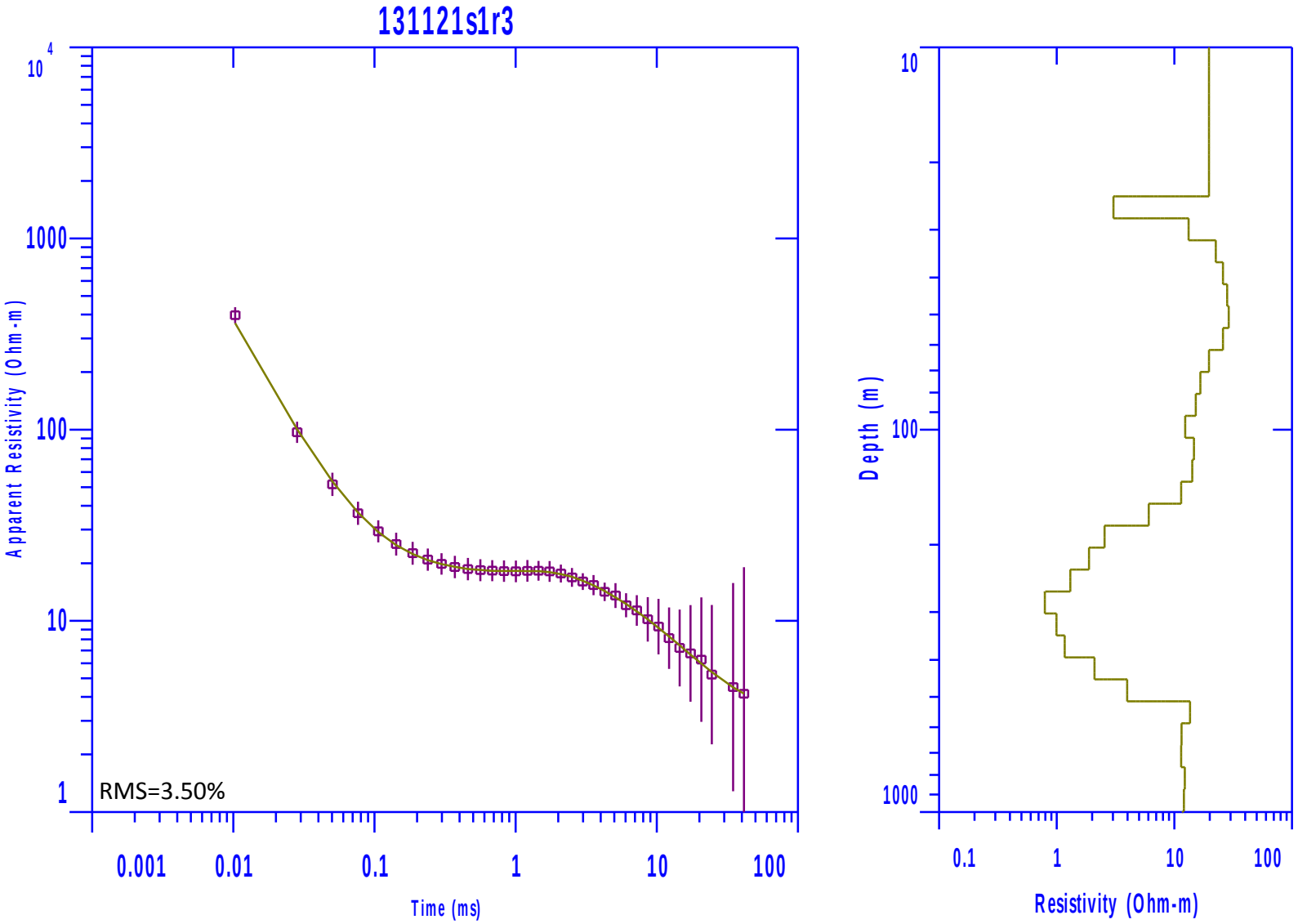

131113s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.95%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

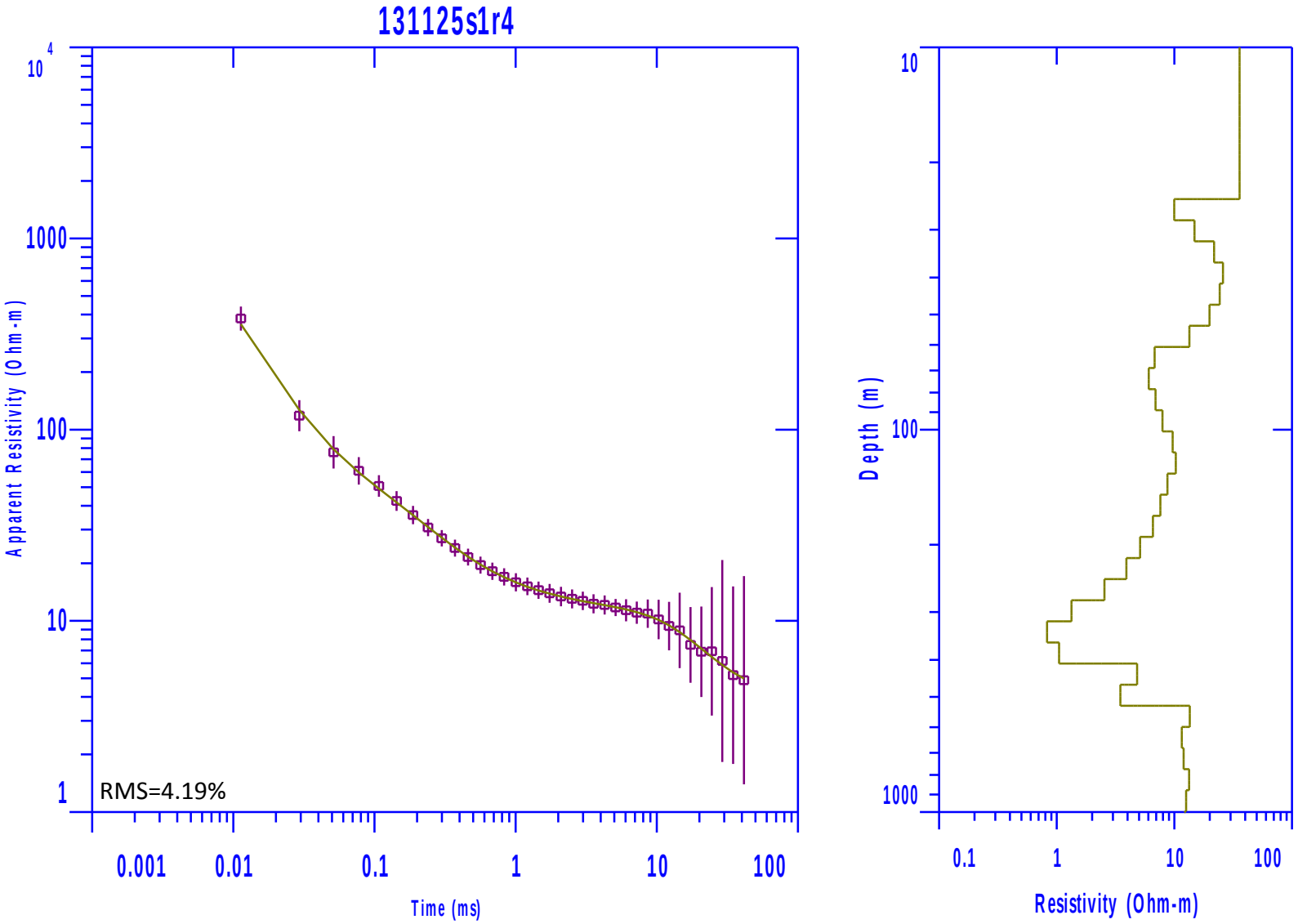

131118s1r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.44%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

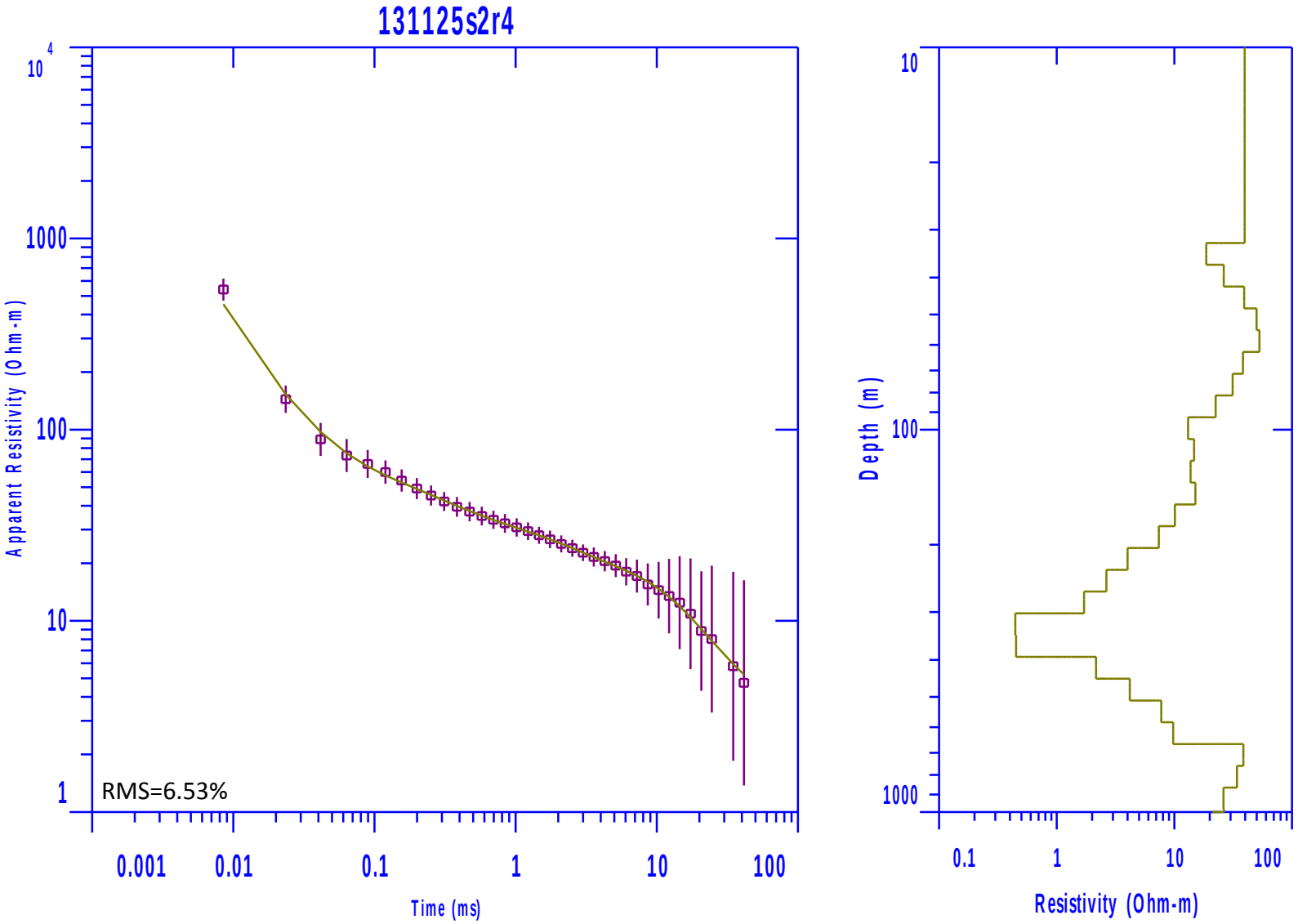

131118s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.79%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

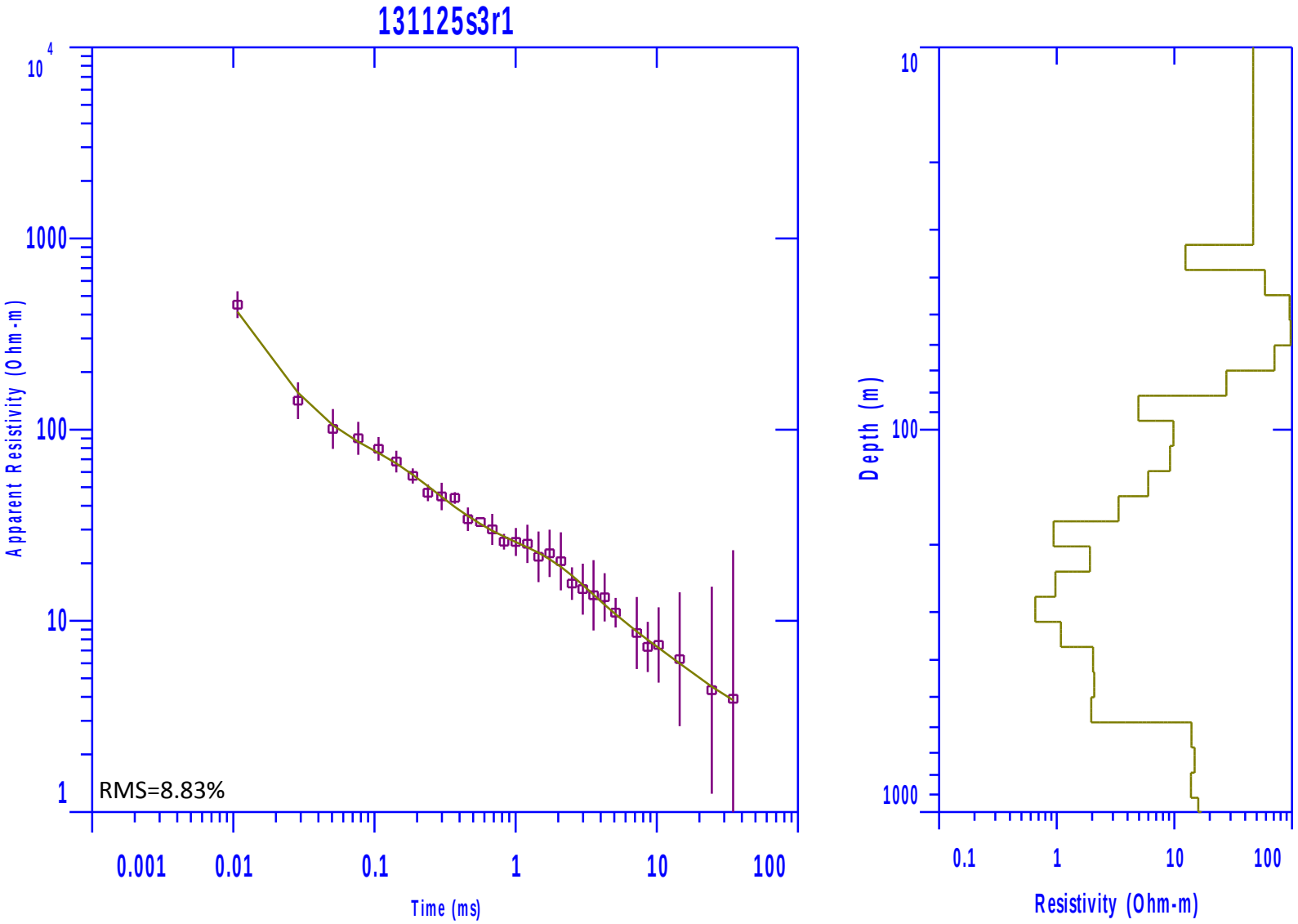

131118s3r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.93%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

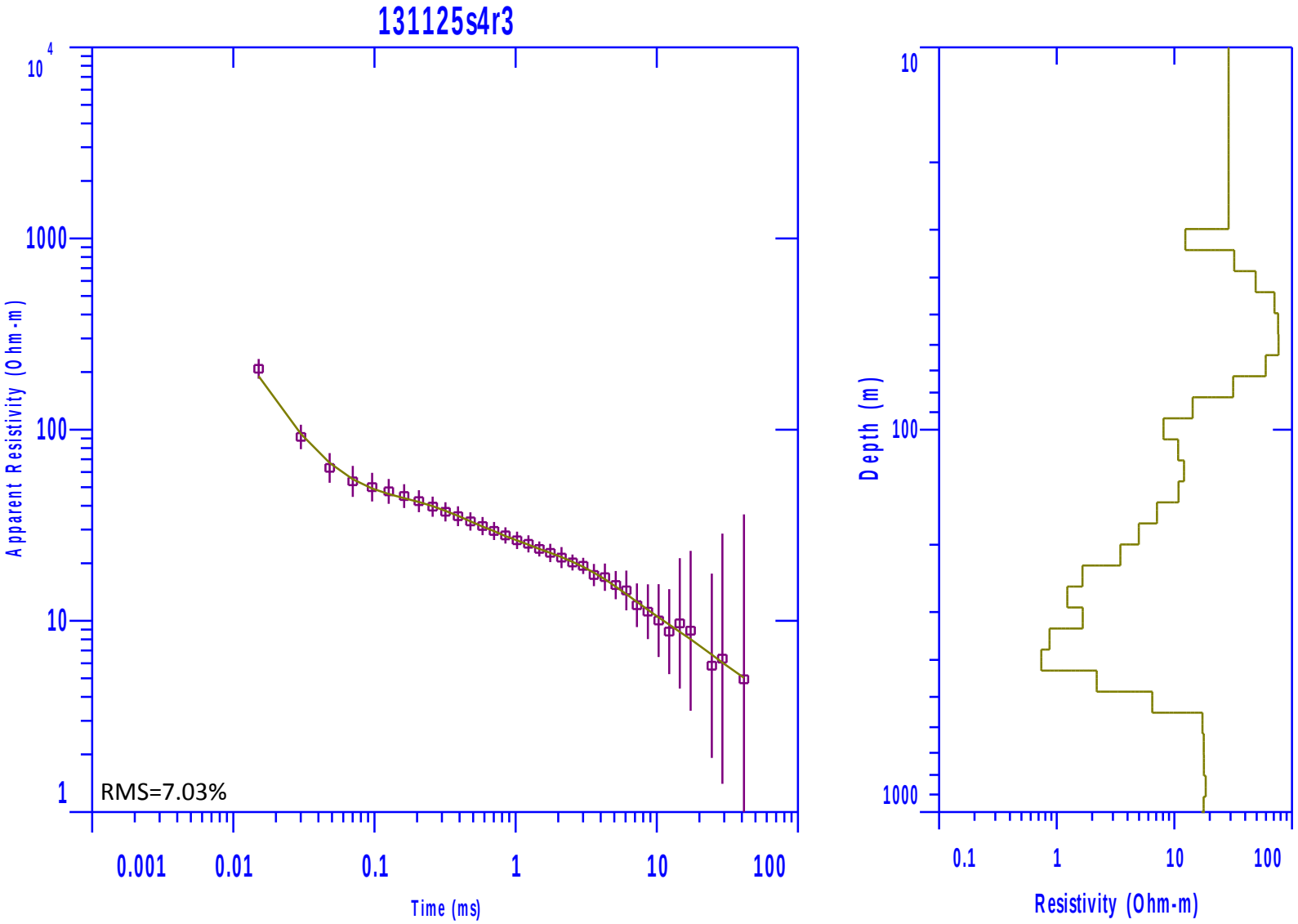

131118s4r1
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=5.62%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

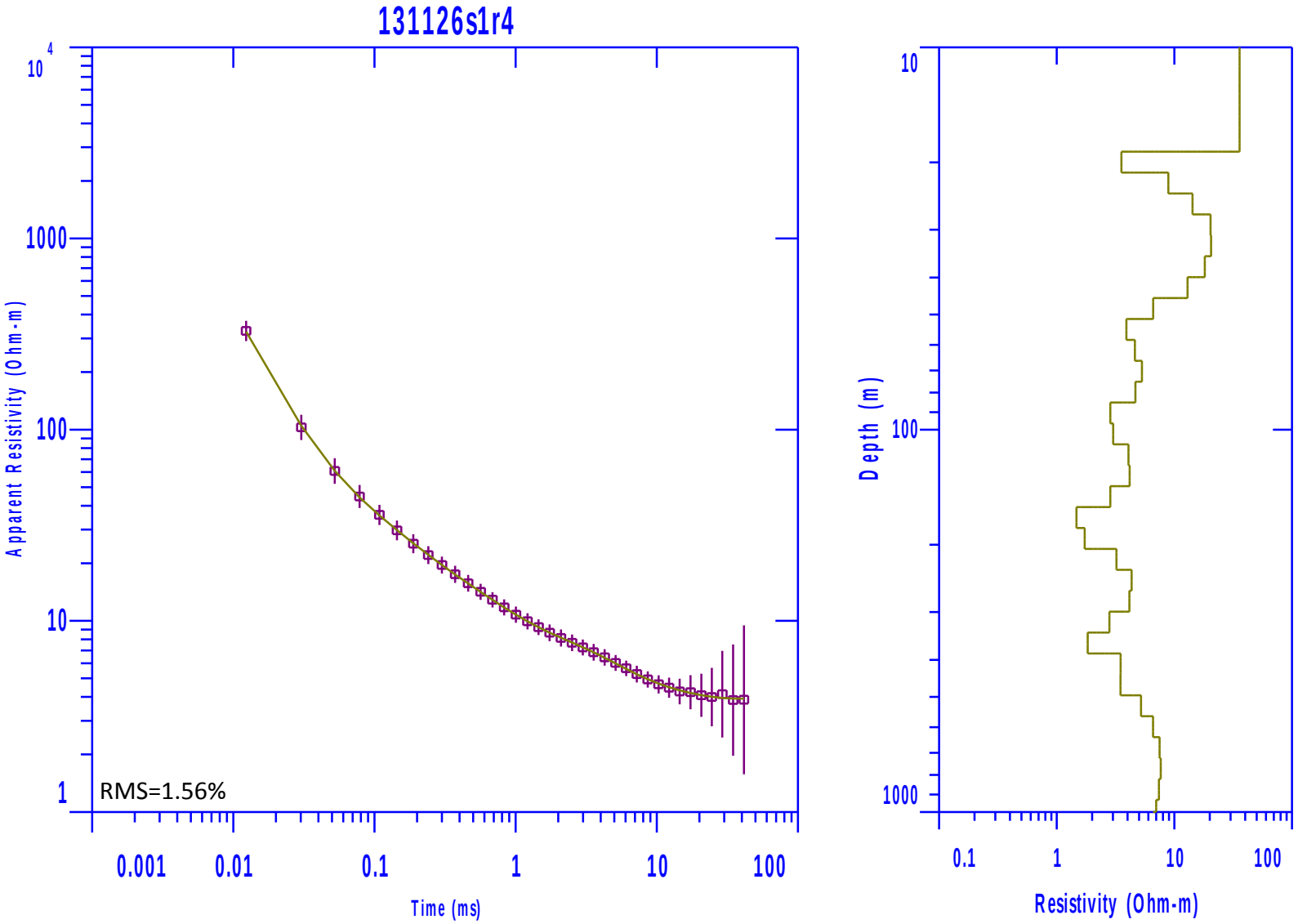

131121s1r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.50%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

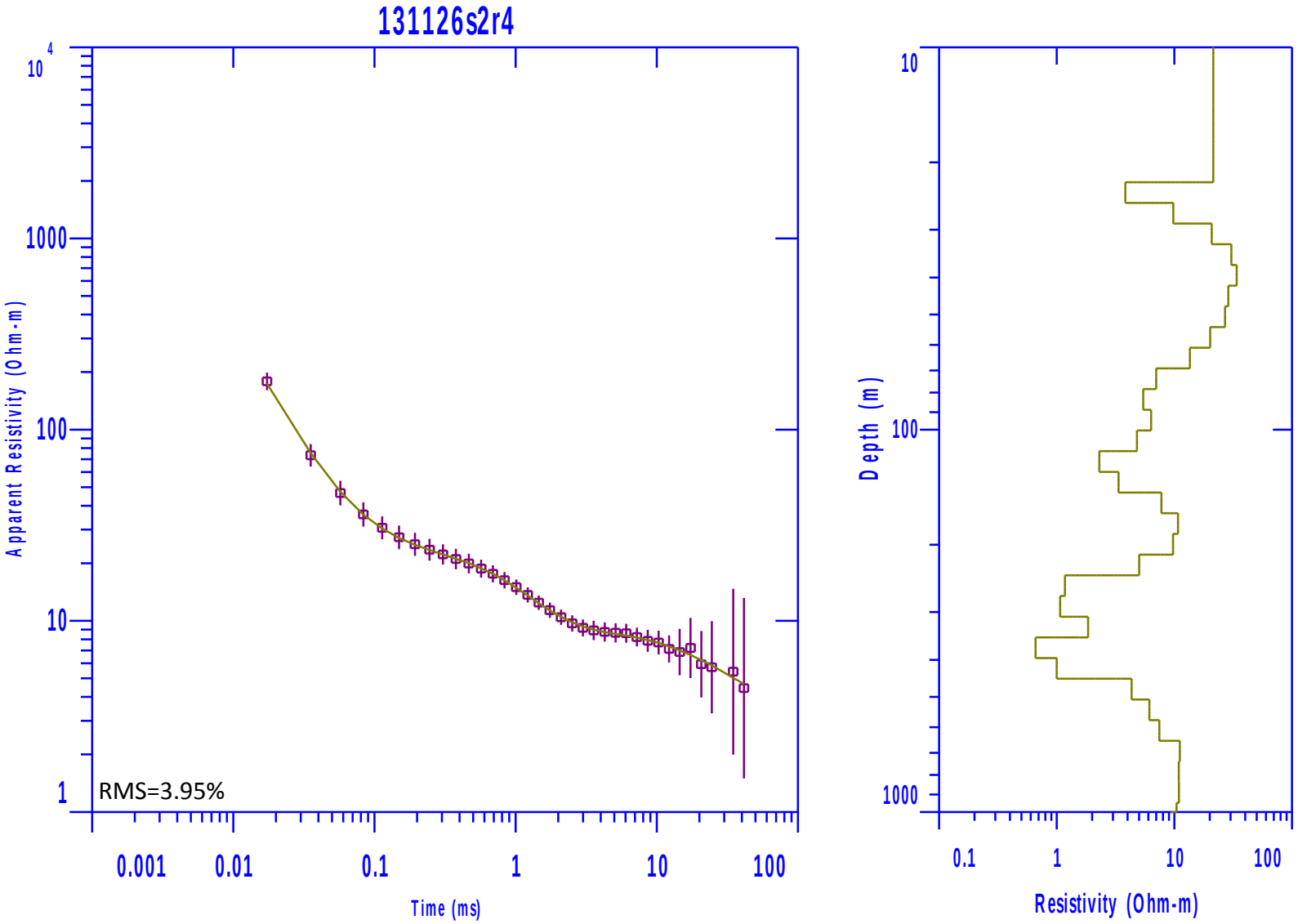

131125s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.19%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

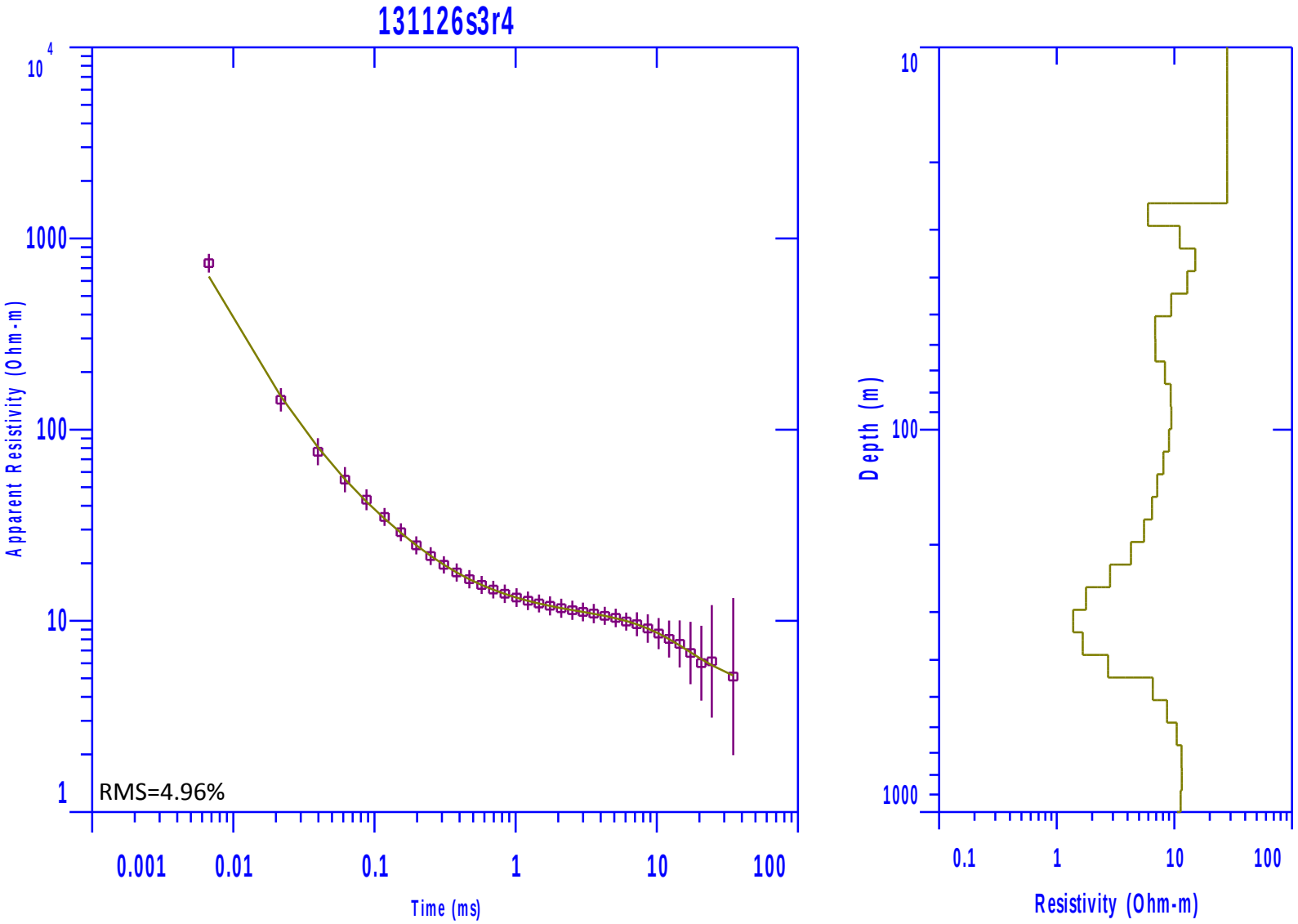

131125s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=6.53%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

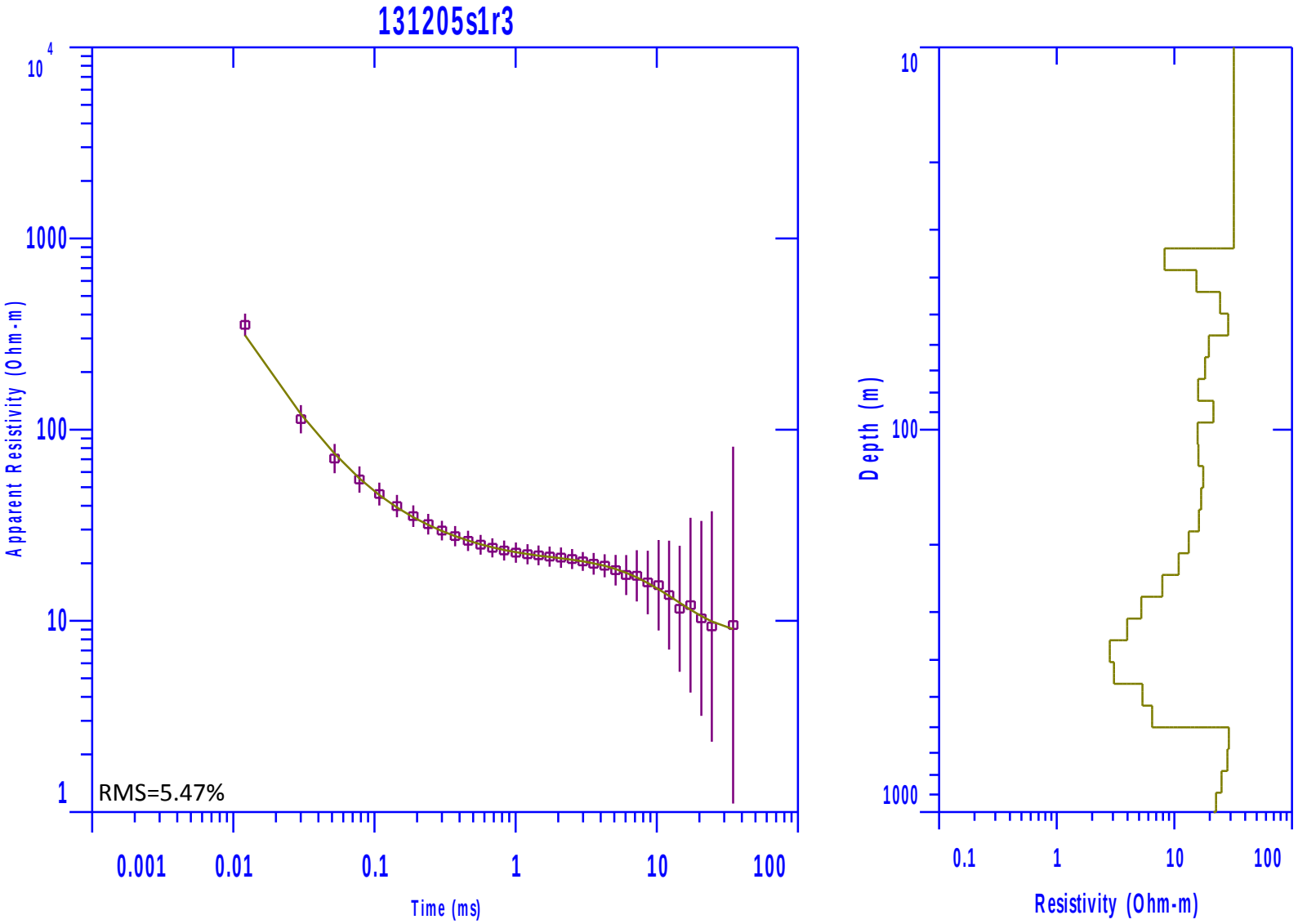

131125s3r1
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=8.83%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

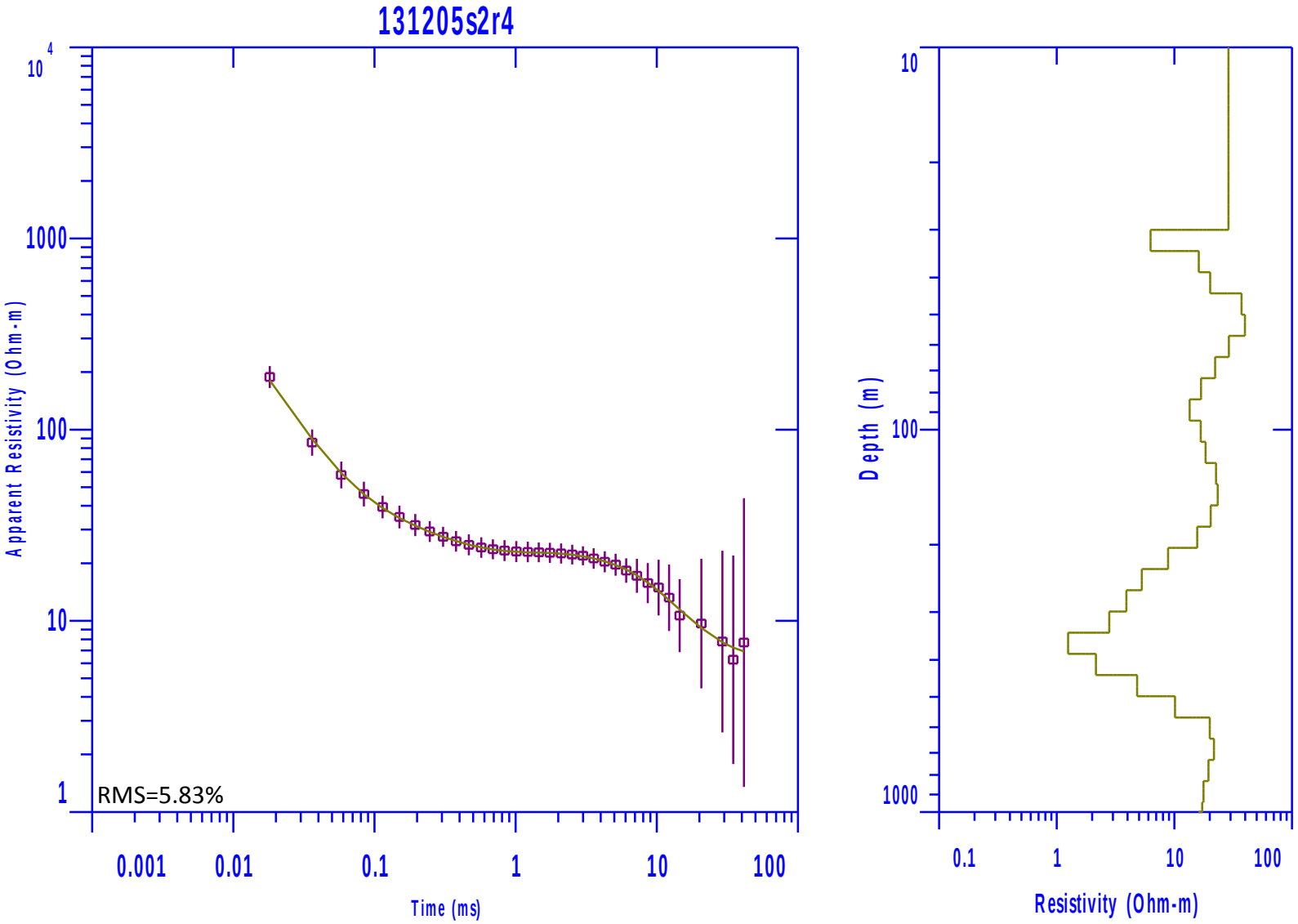

131125s4r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=7.03%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

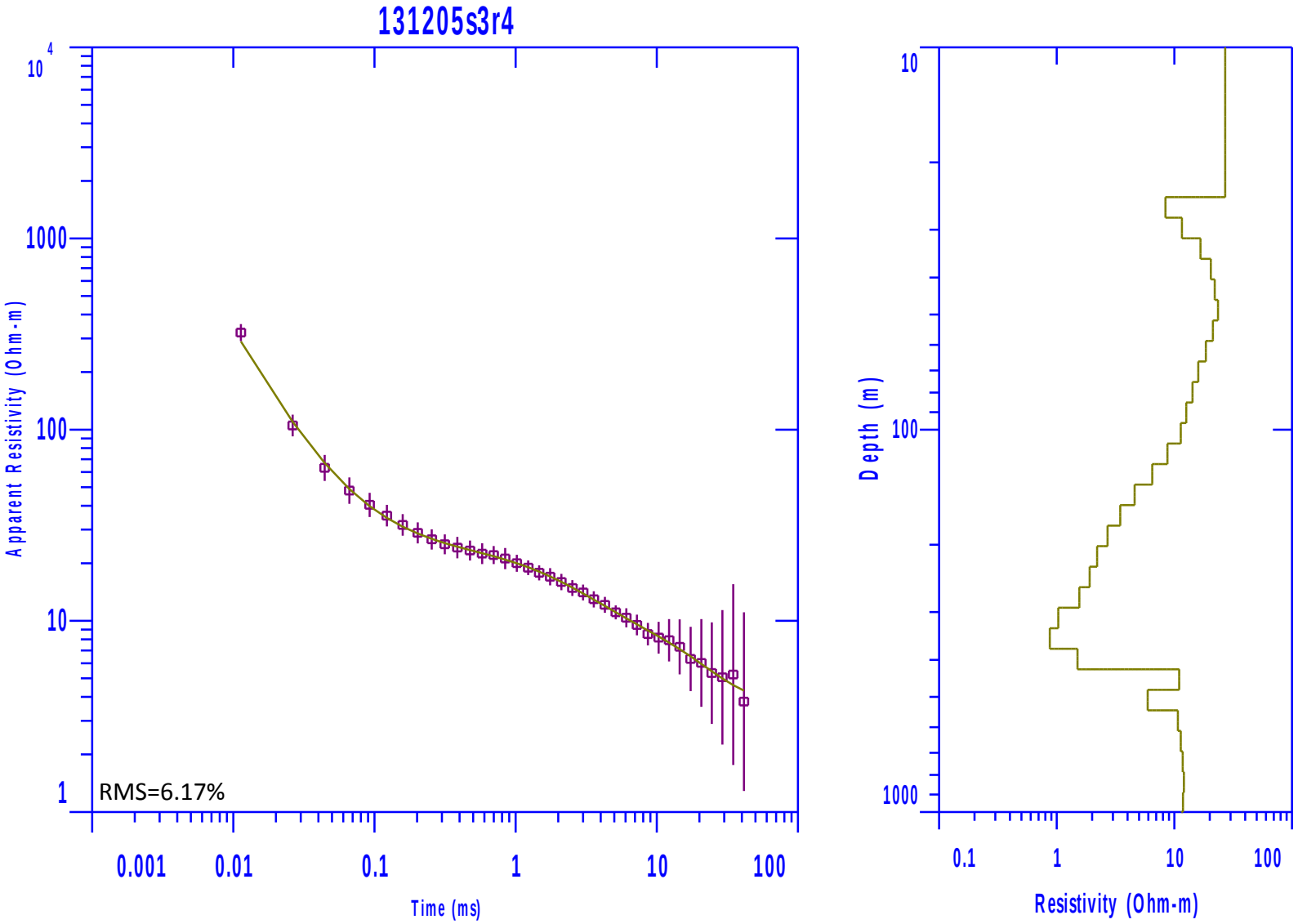

131126s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.56%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

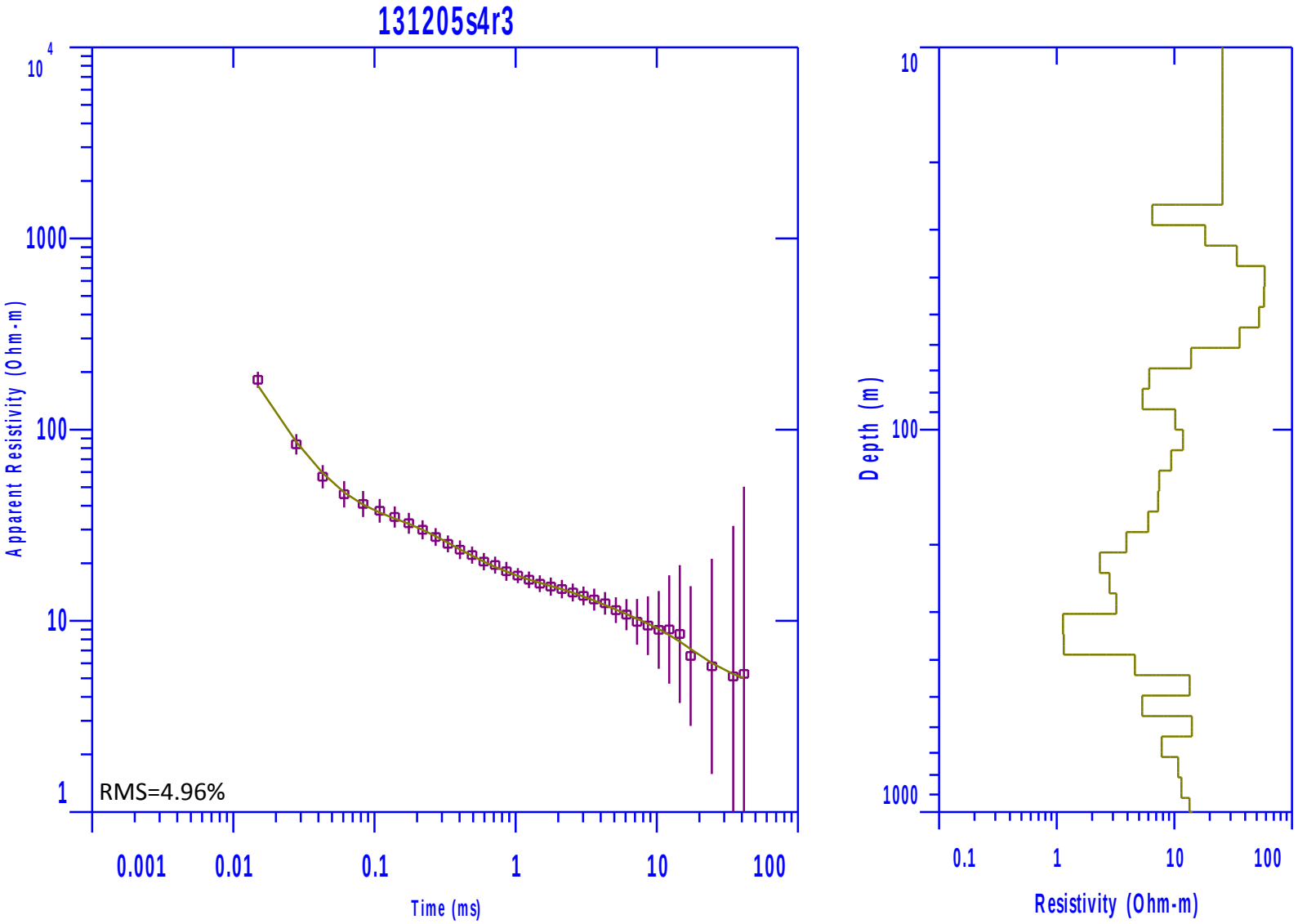

131126s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.95%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

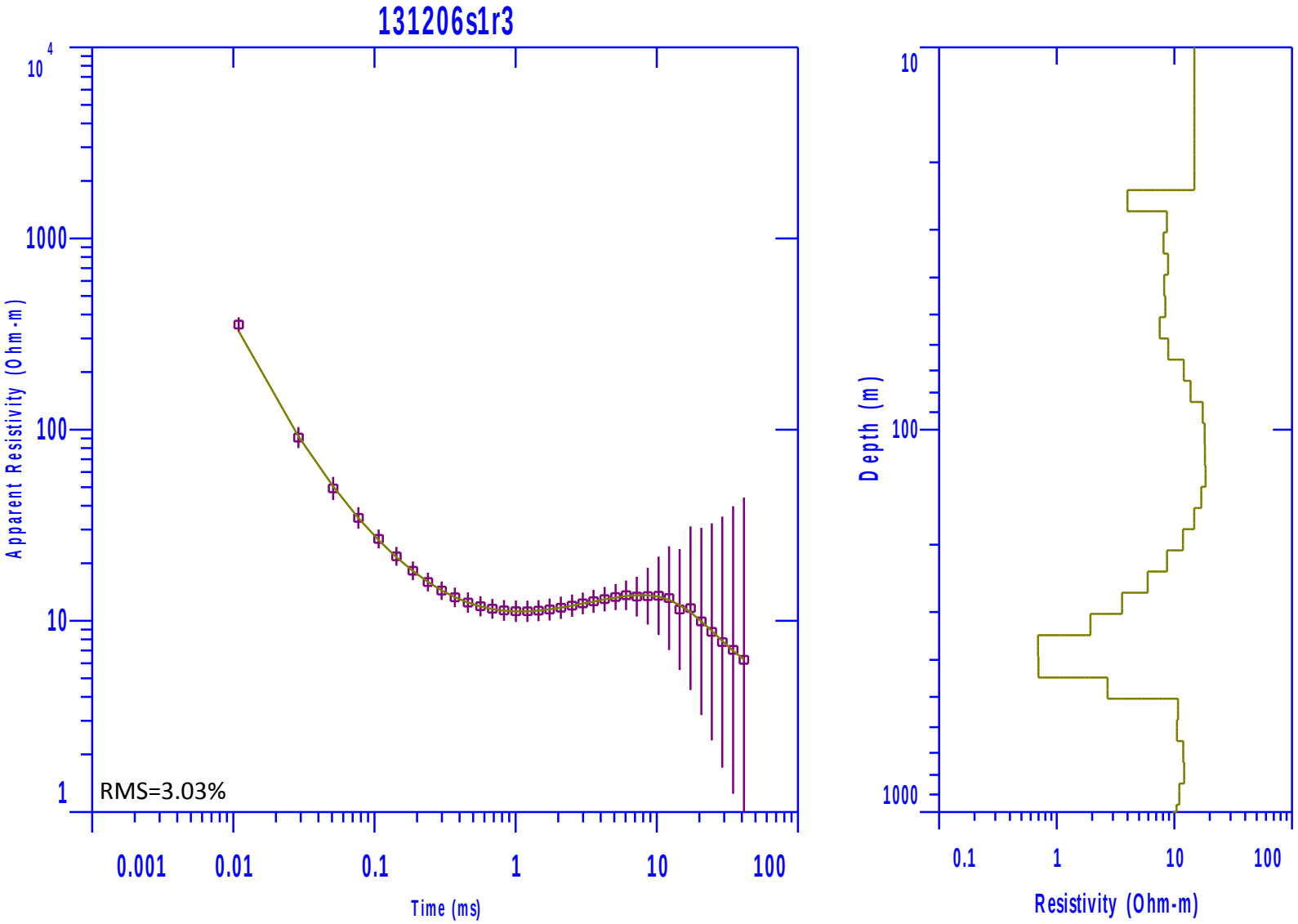

131126s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.96%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

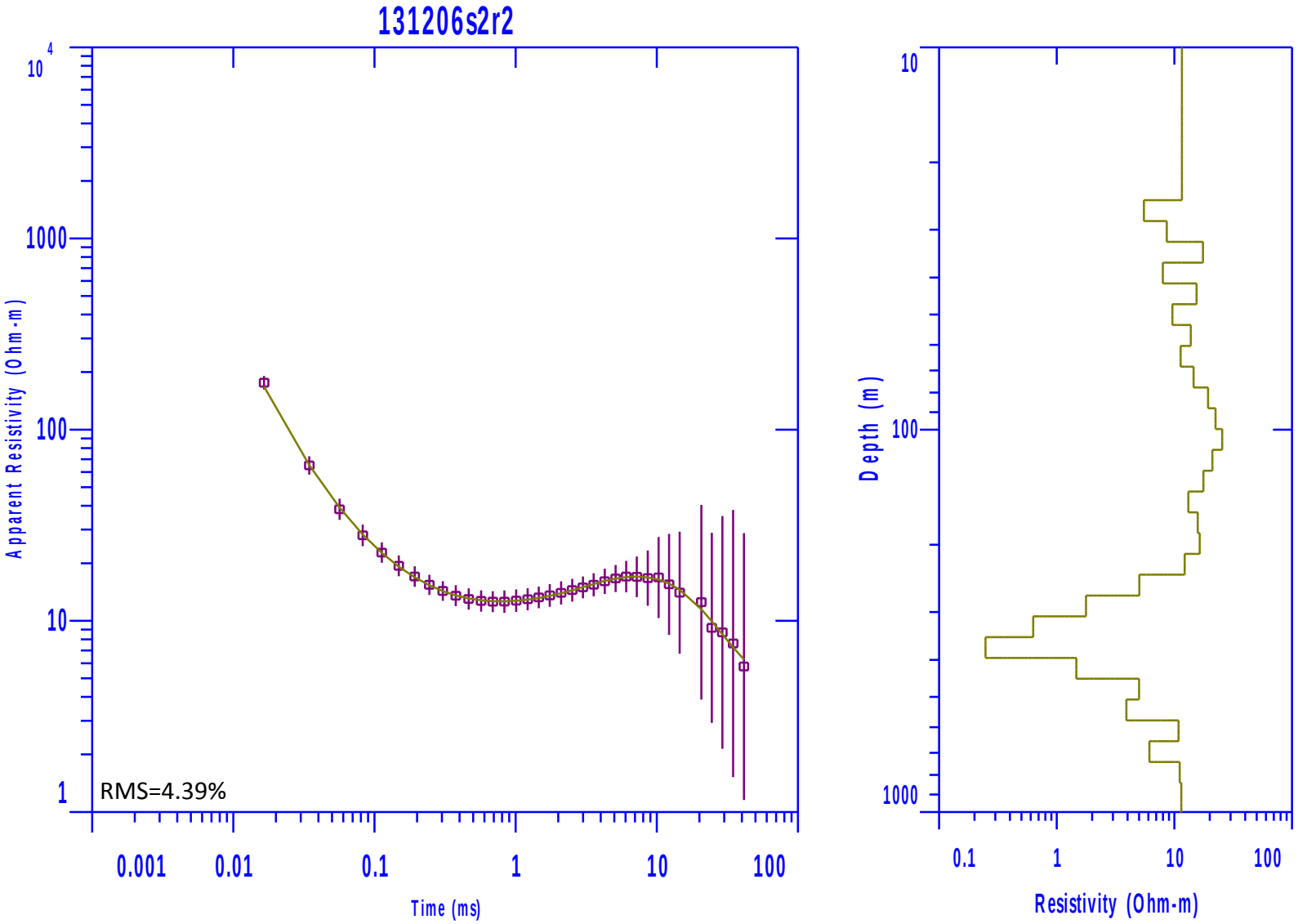

131205s1r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=5.47%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

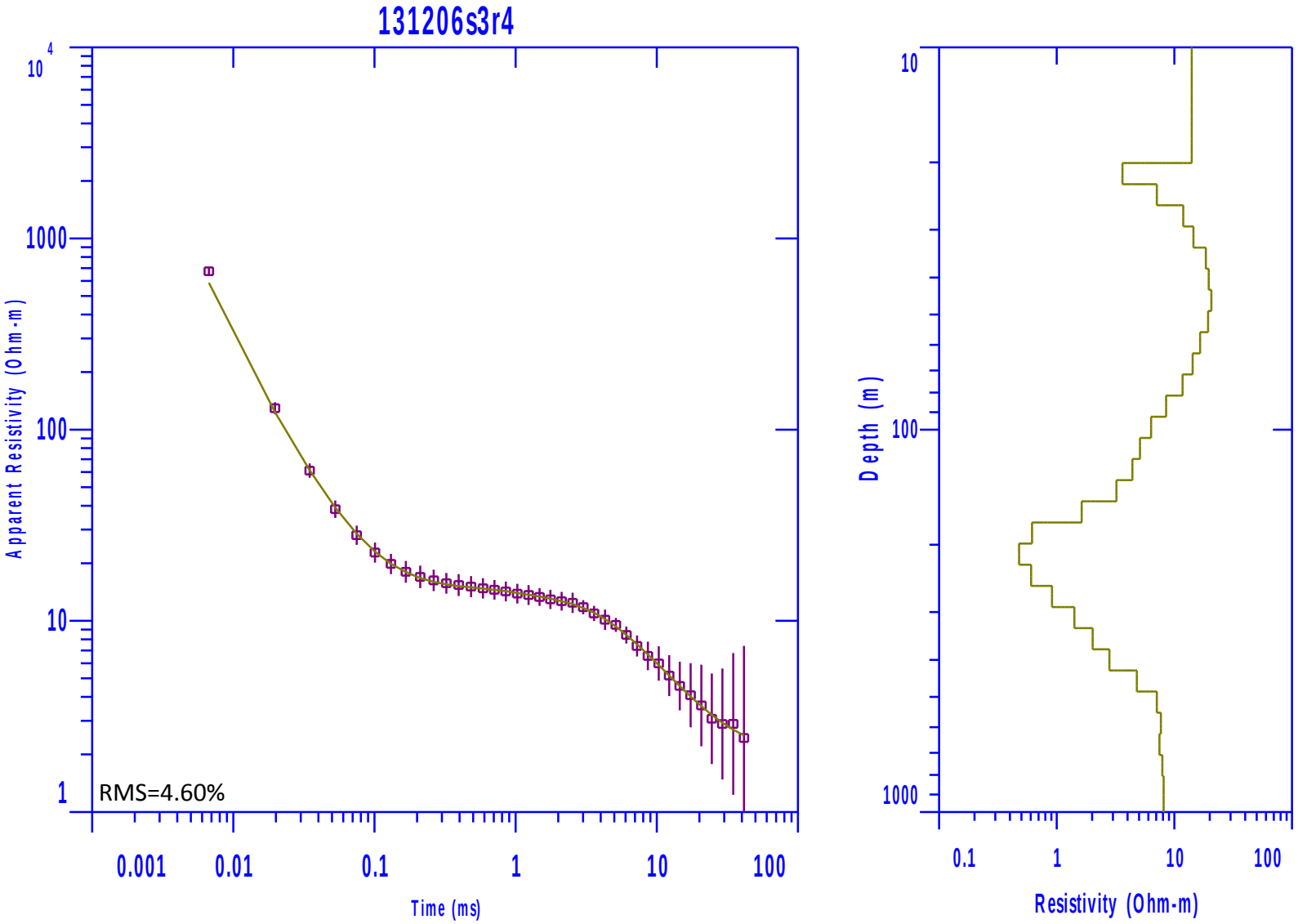

131205s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=5.83%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

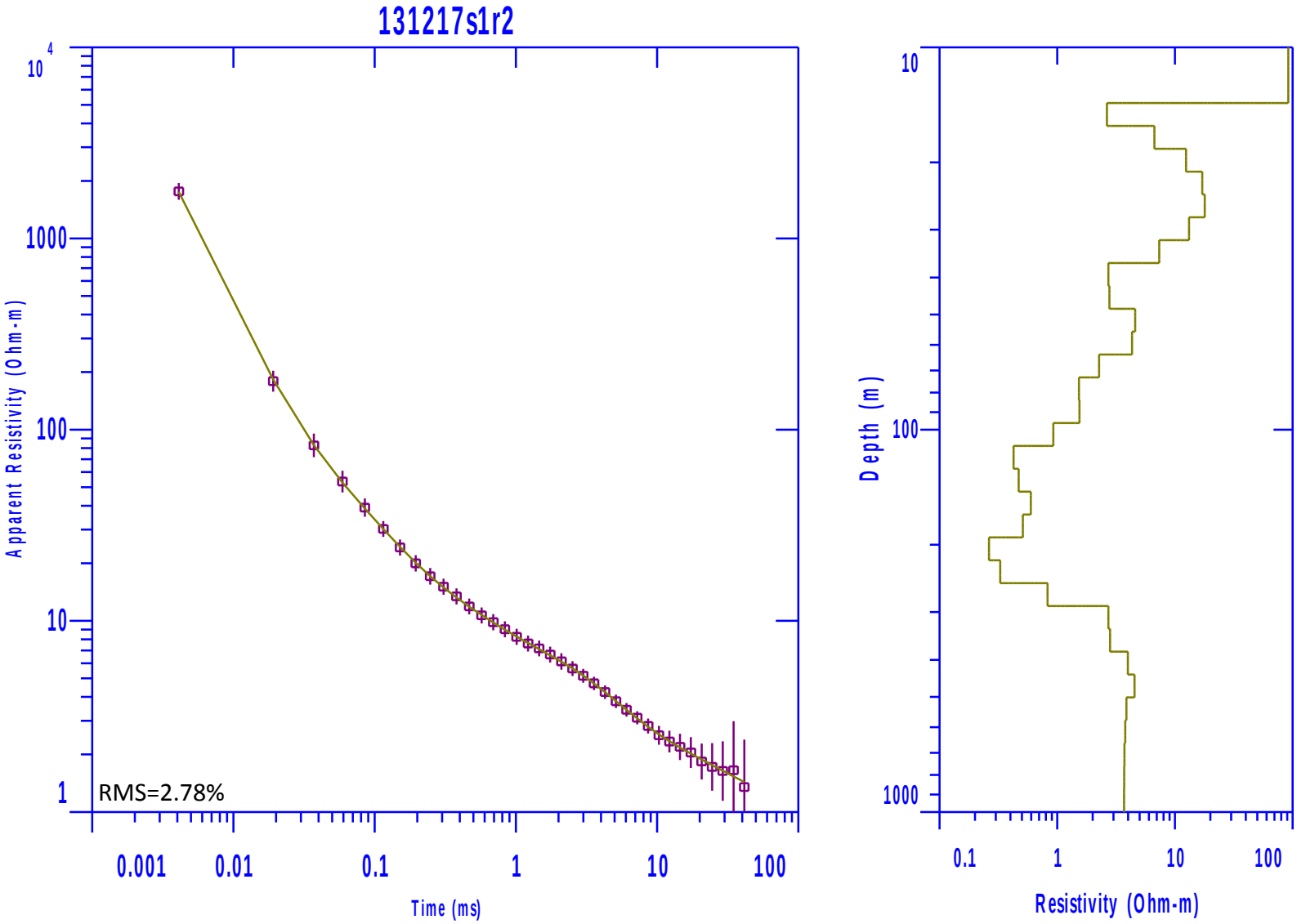

131205s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=6.17%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

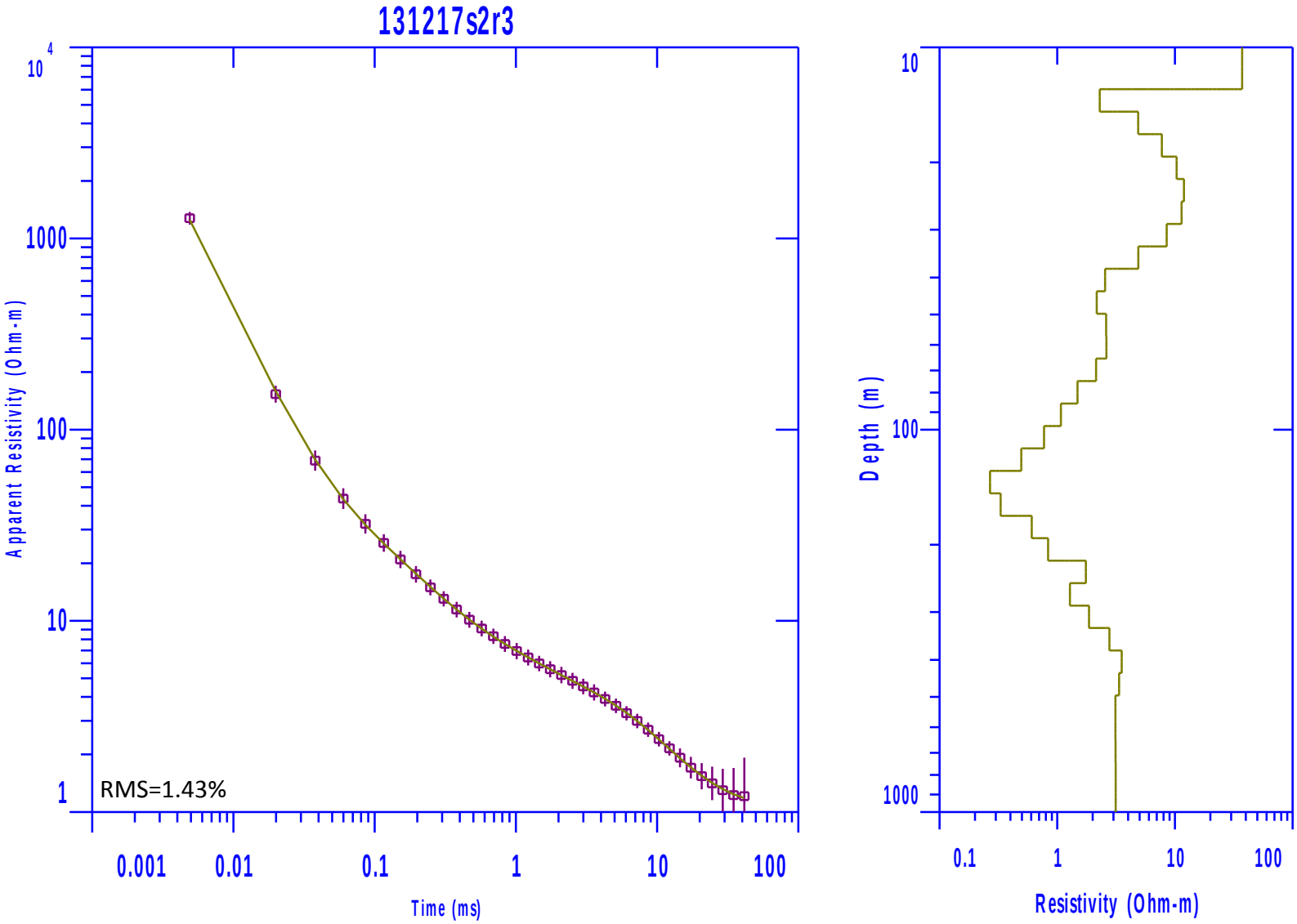

131205s4r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.96%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

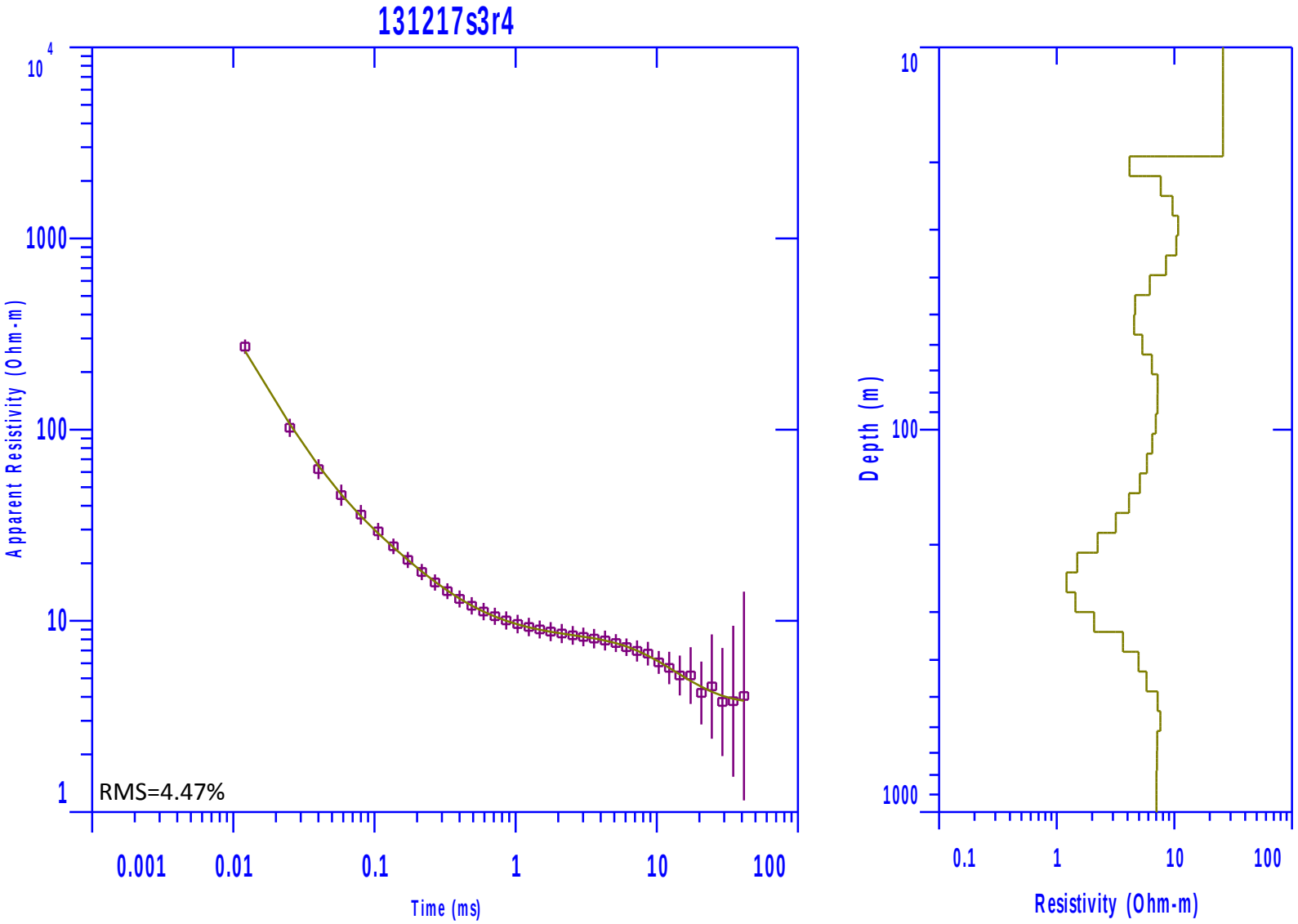

131206s1r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.03%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

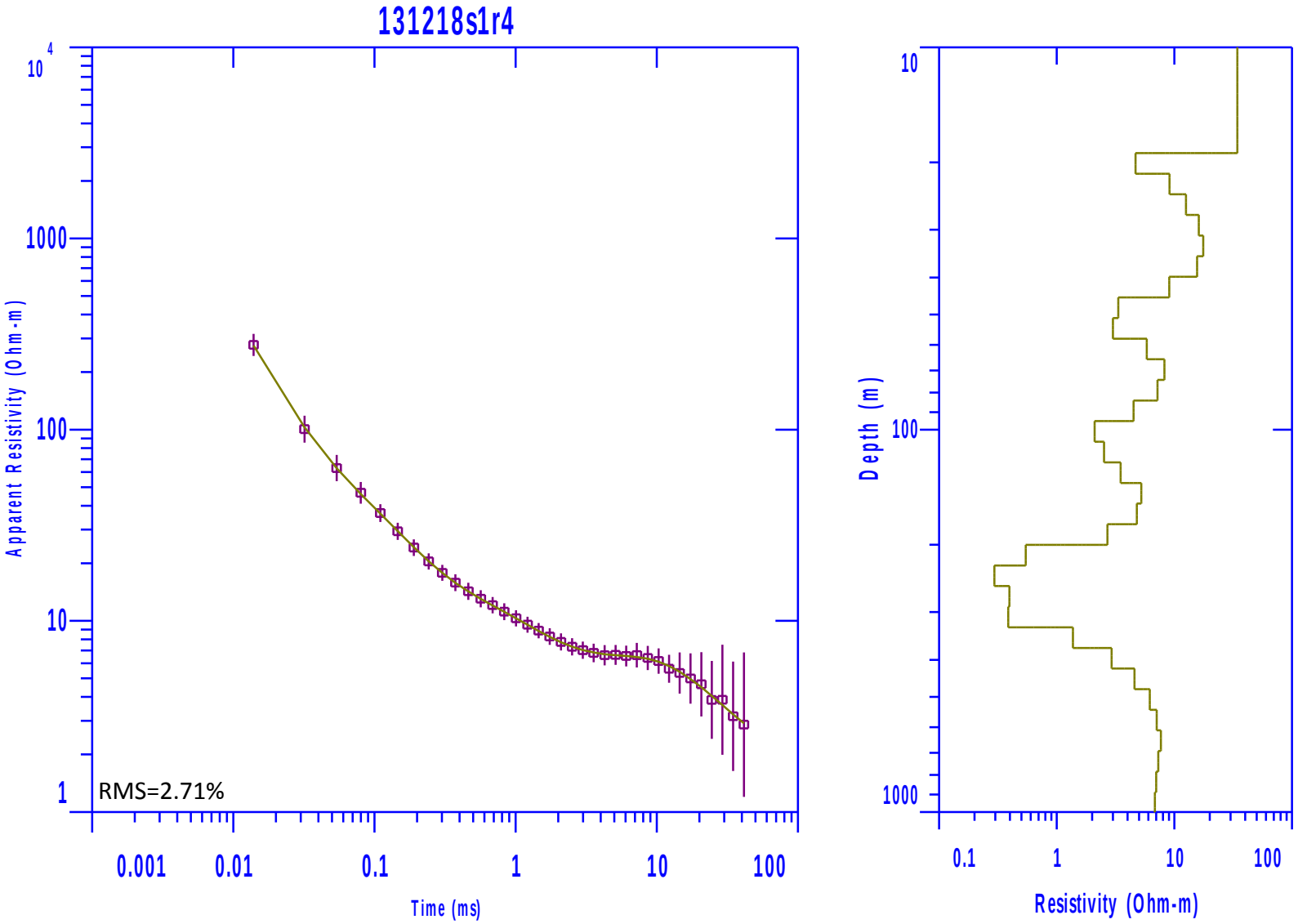

131206s2r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.39%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

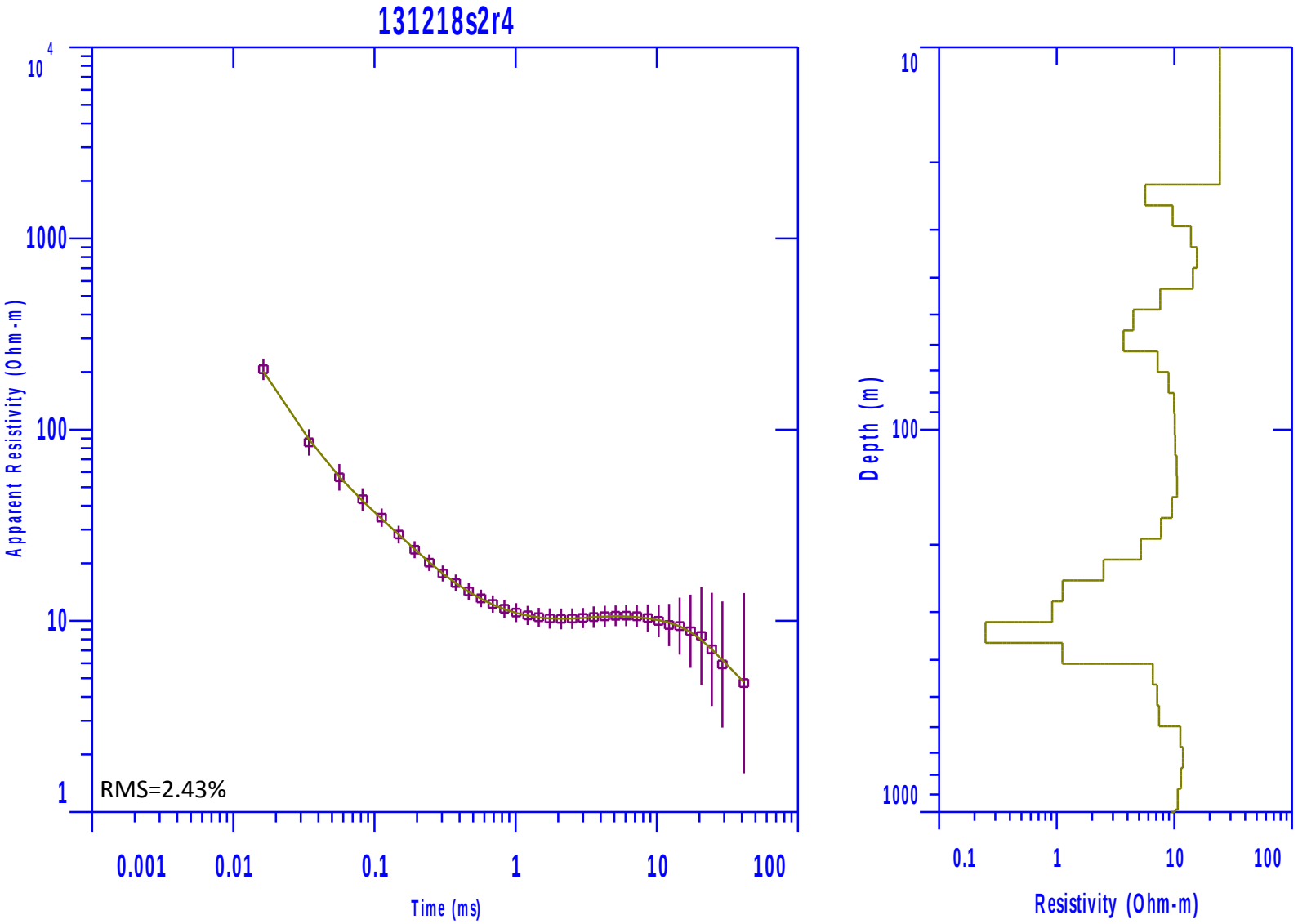

131206s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.60%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

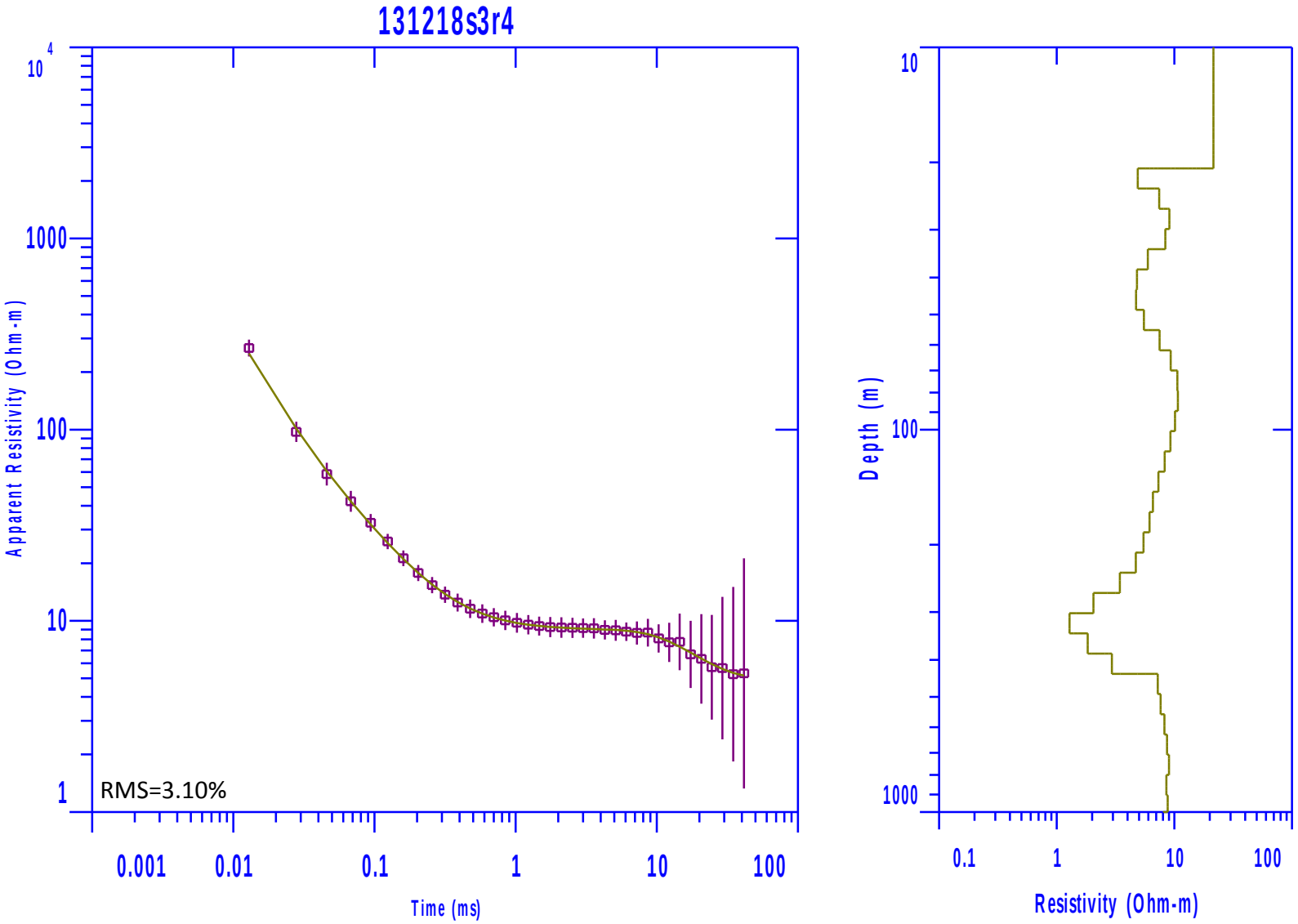

131217s1r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.78%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

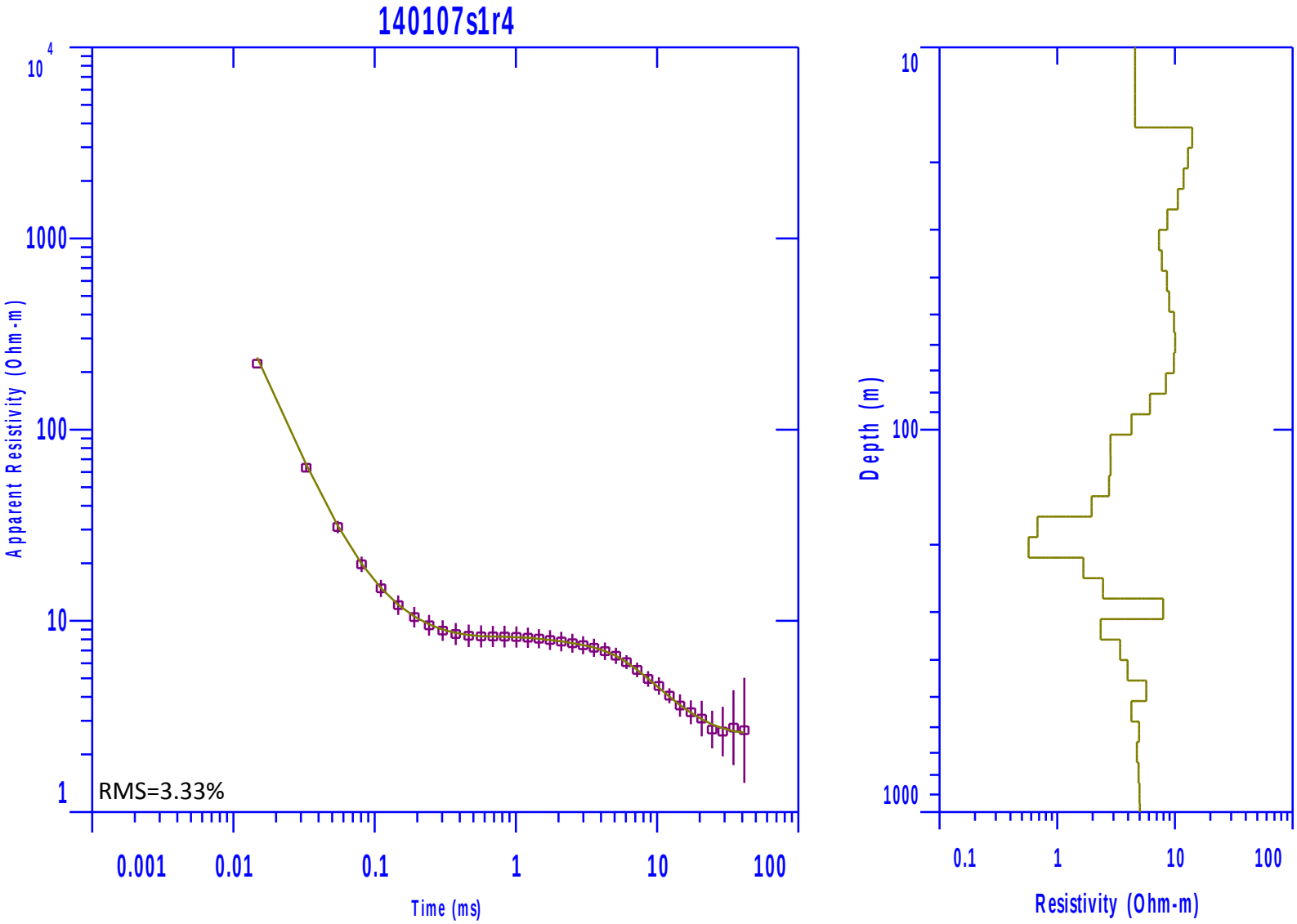

131217s2r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=1.43%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

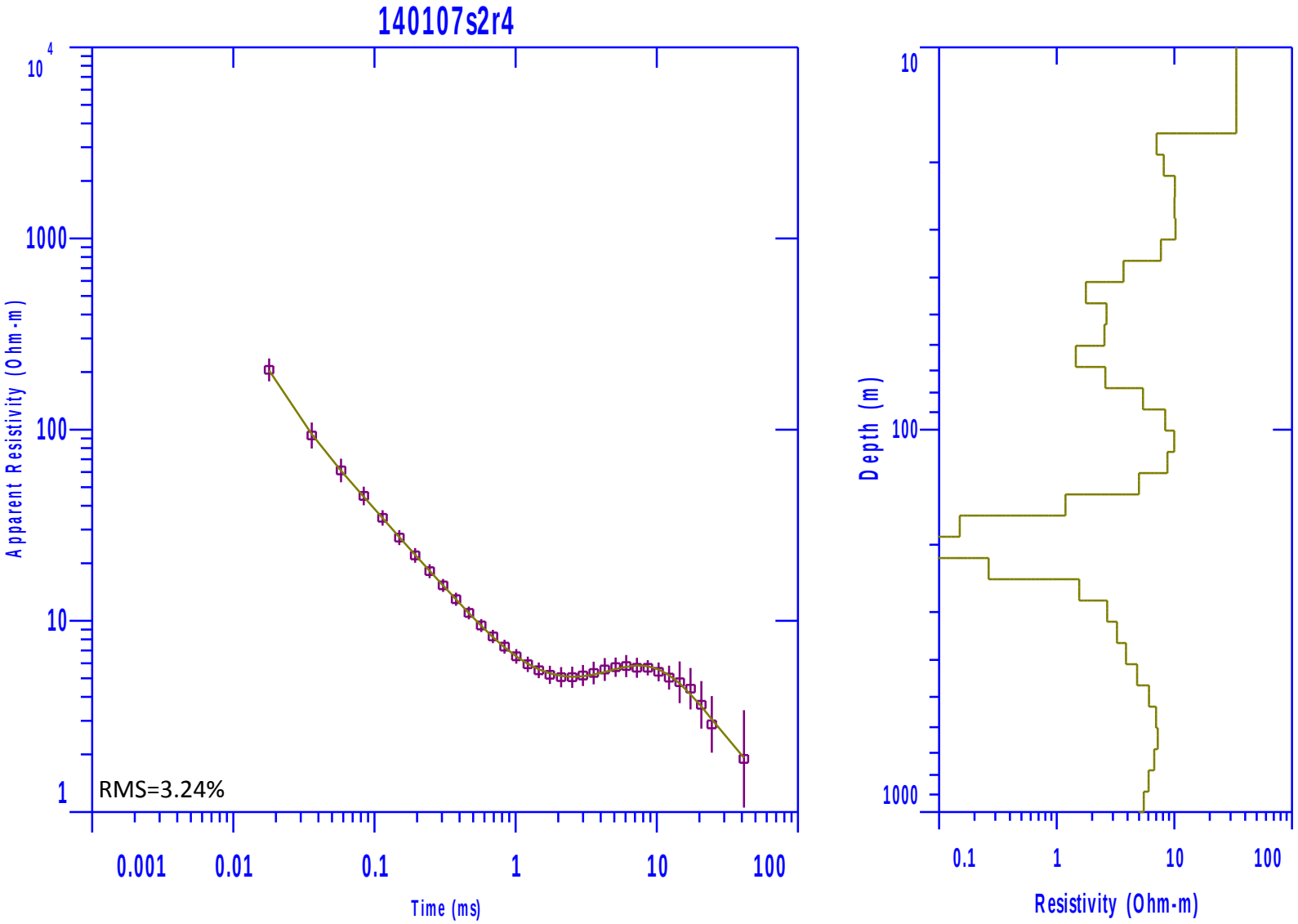

131217s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.47%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

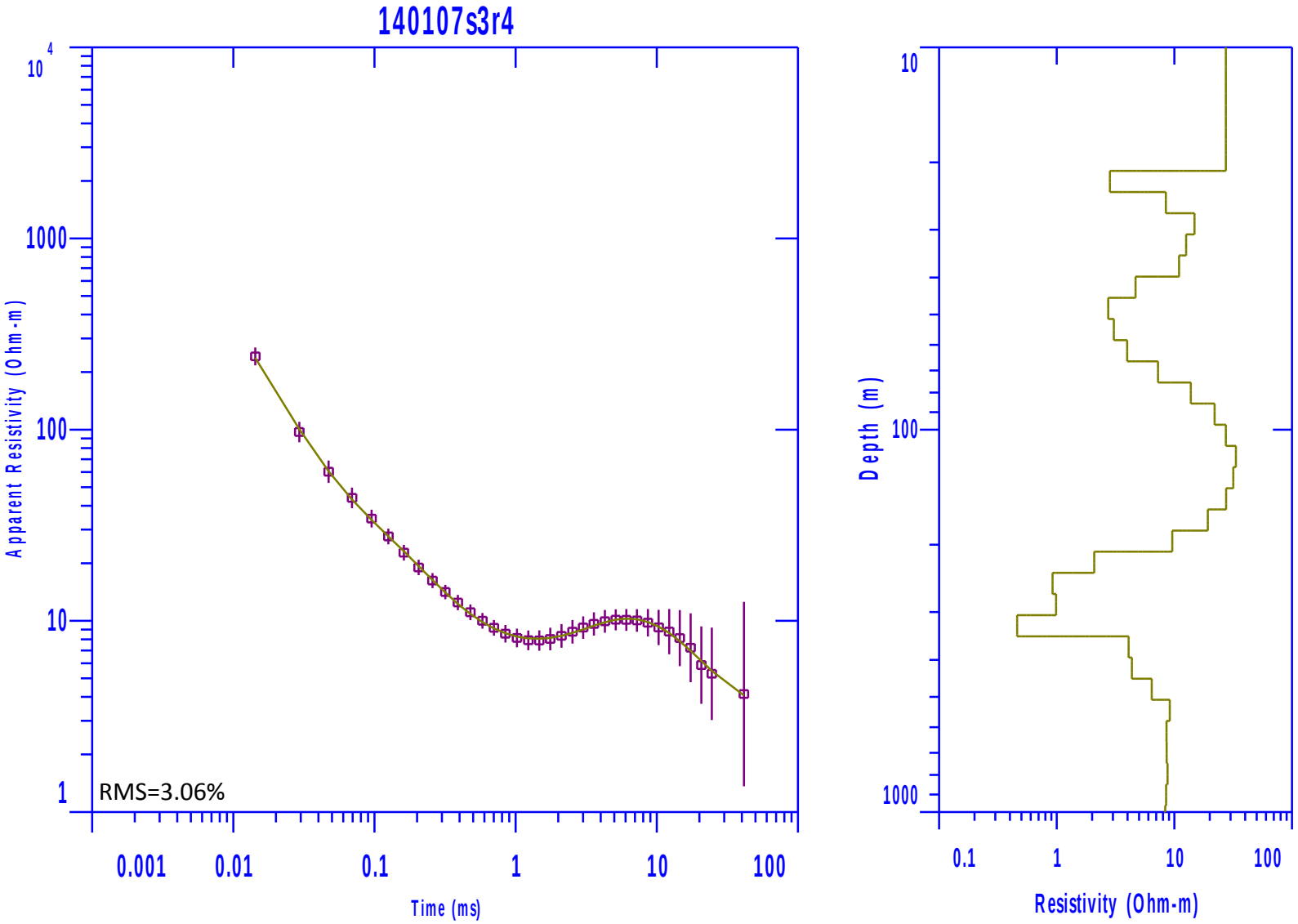

131218s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.71%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

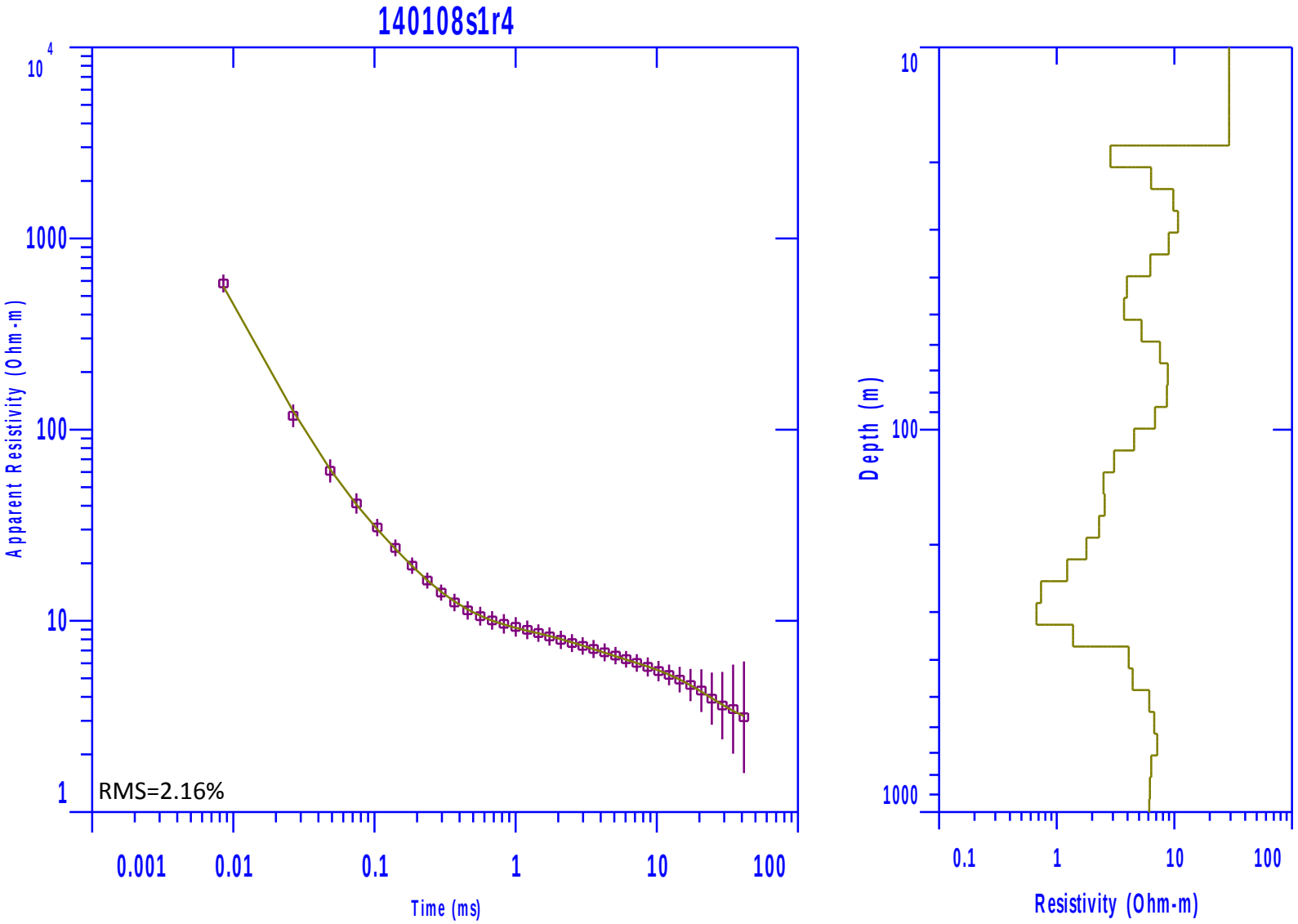

131218s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.43%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

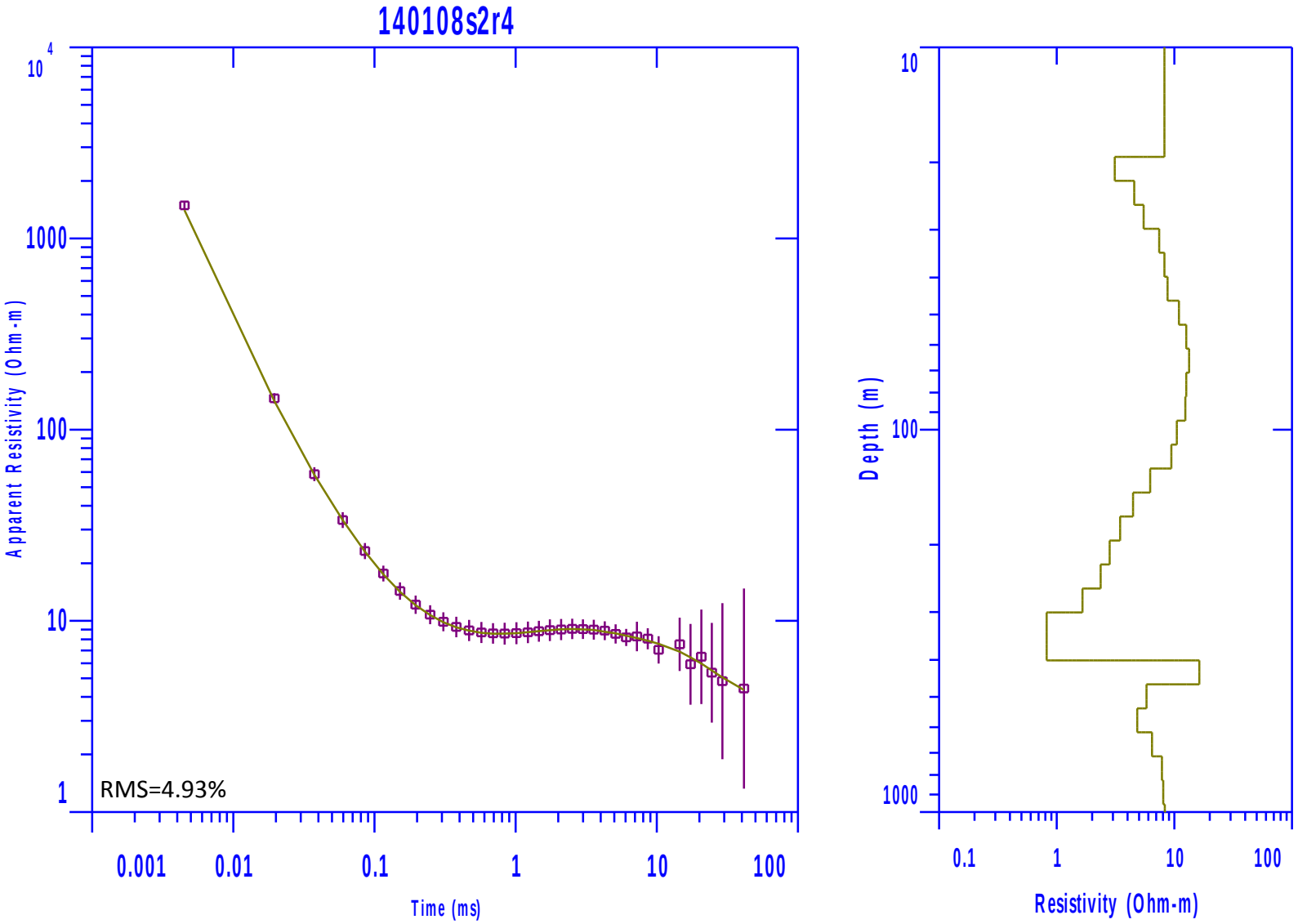

131218s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.10%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

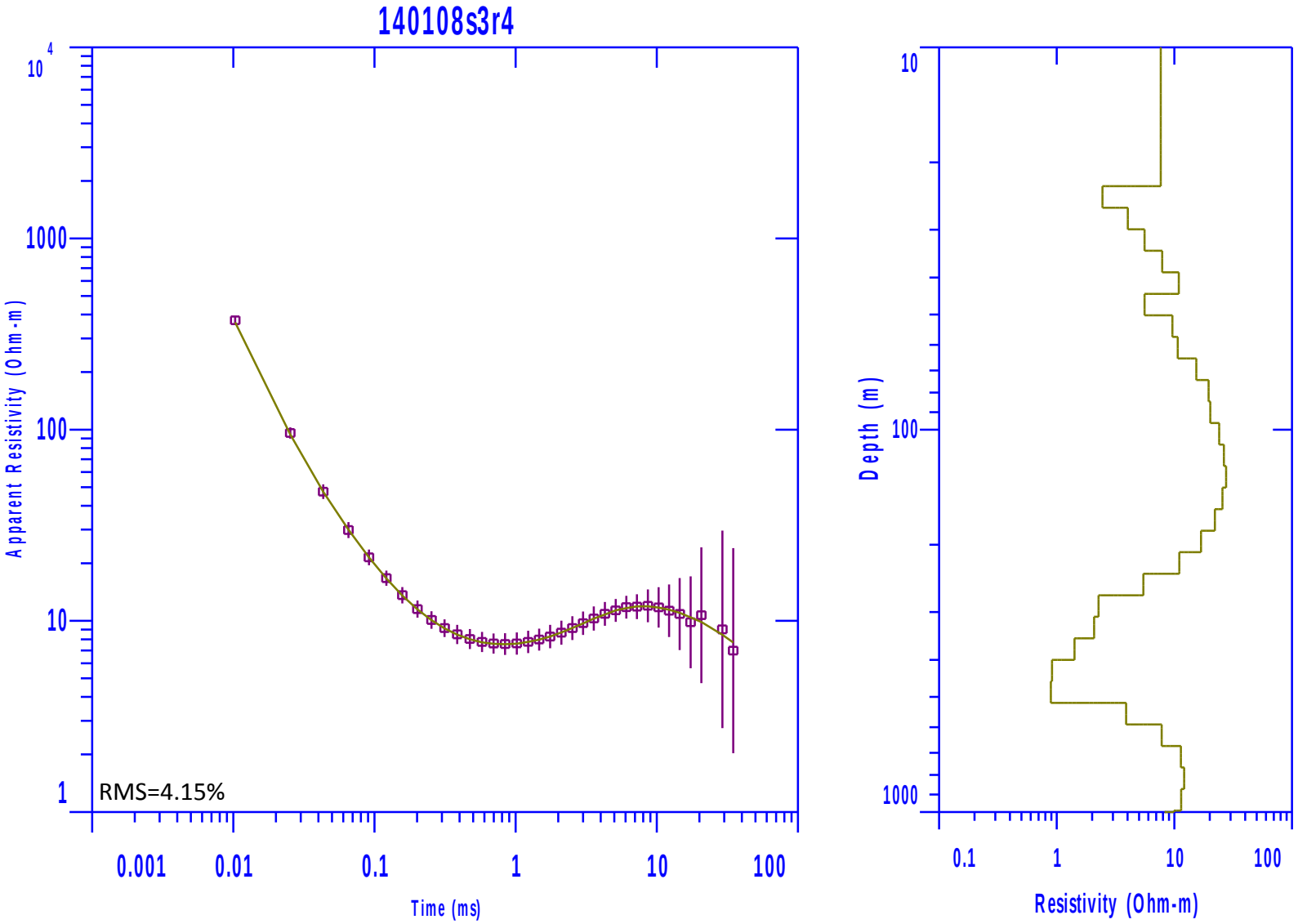

140107s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.33%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

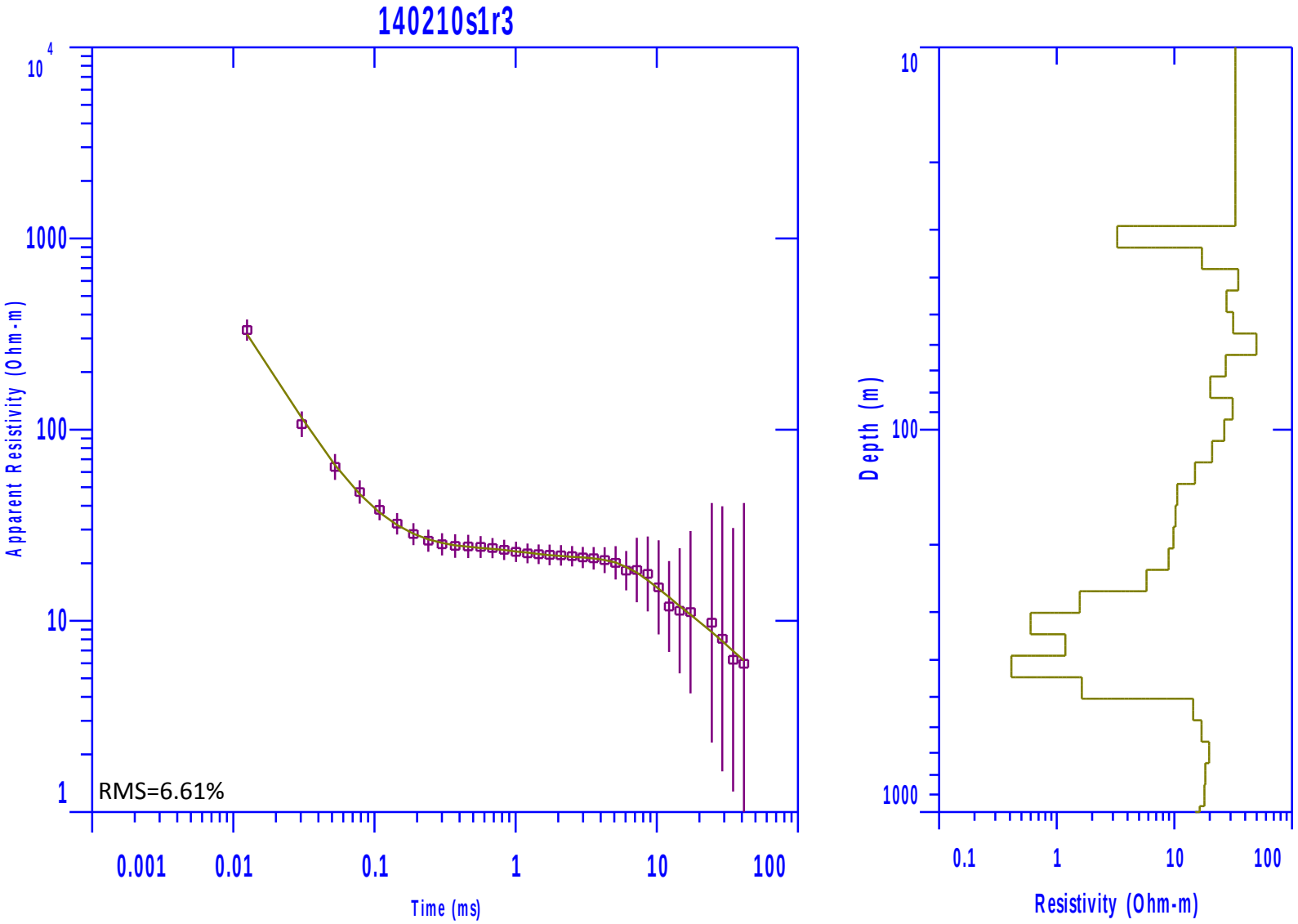

140107s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.24%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

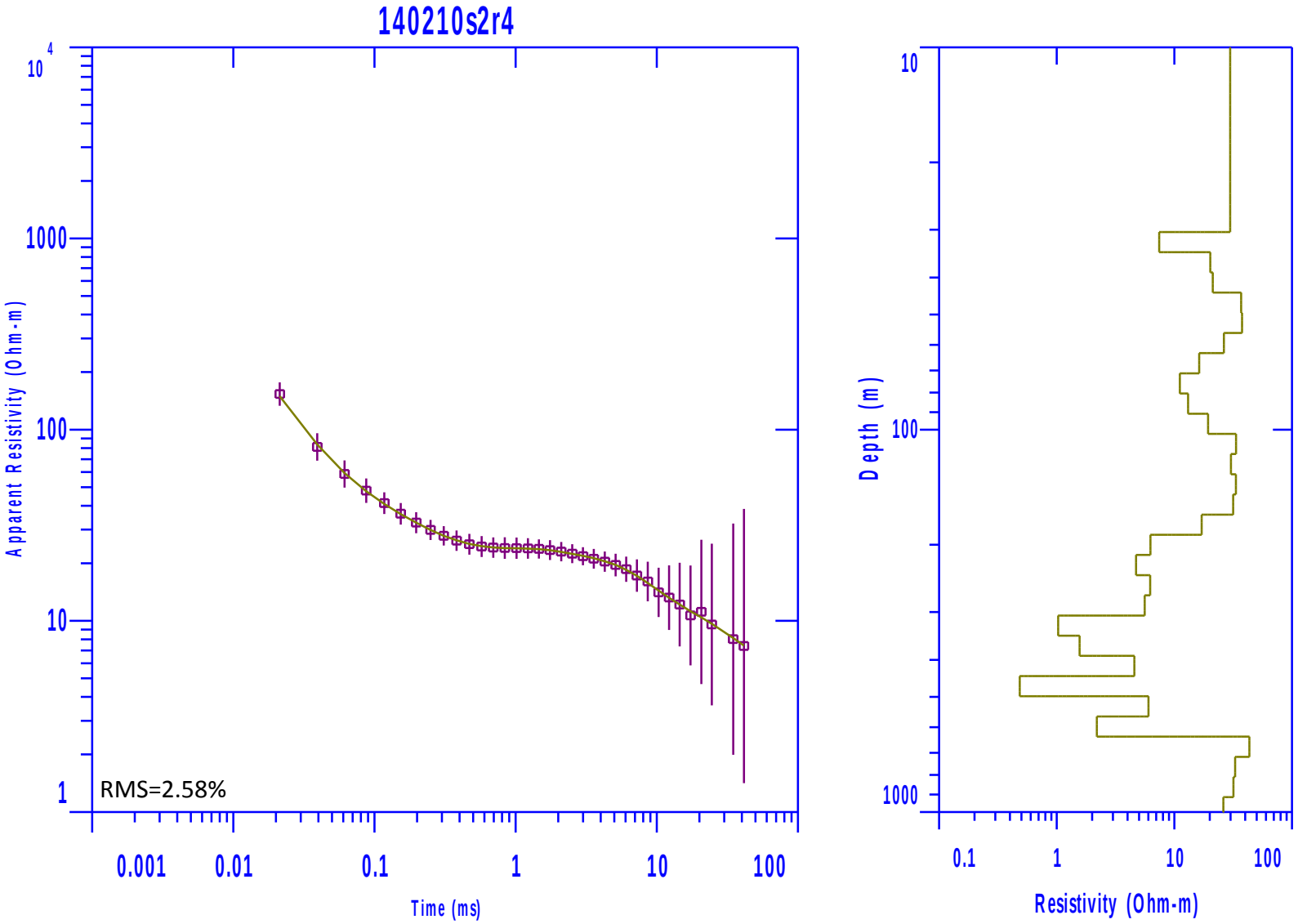

140107s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.06%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

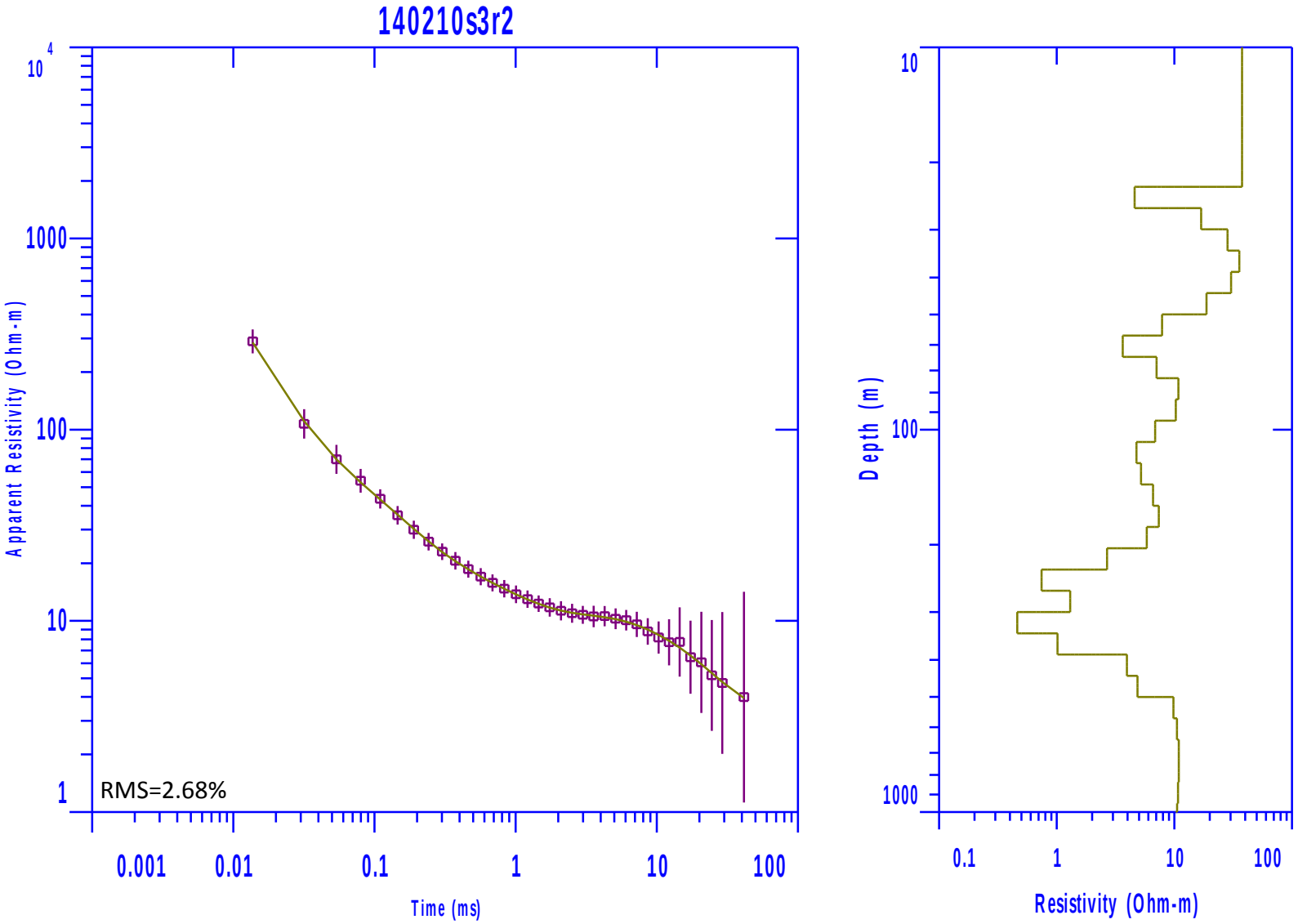

140108s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.16%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

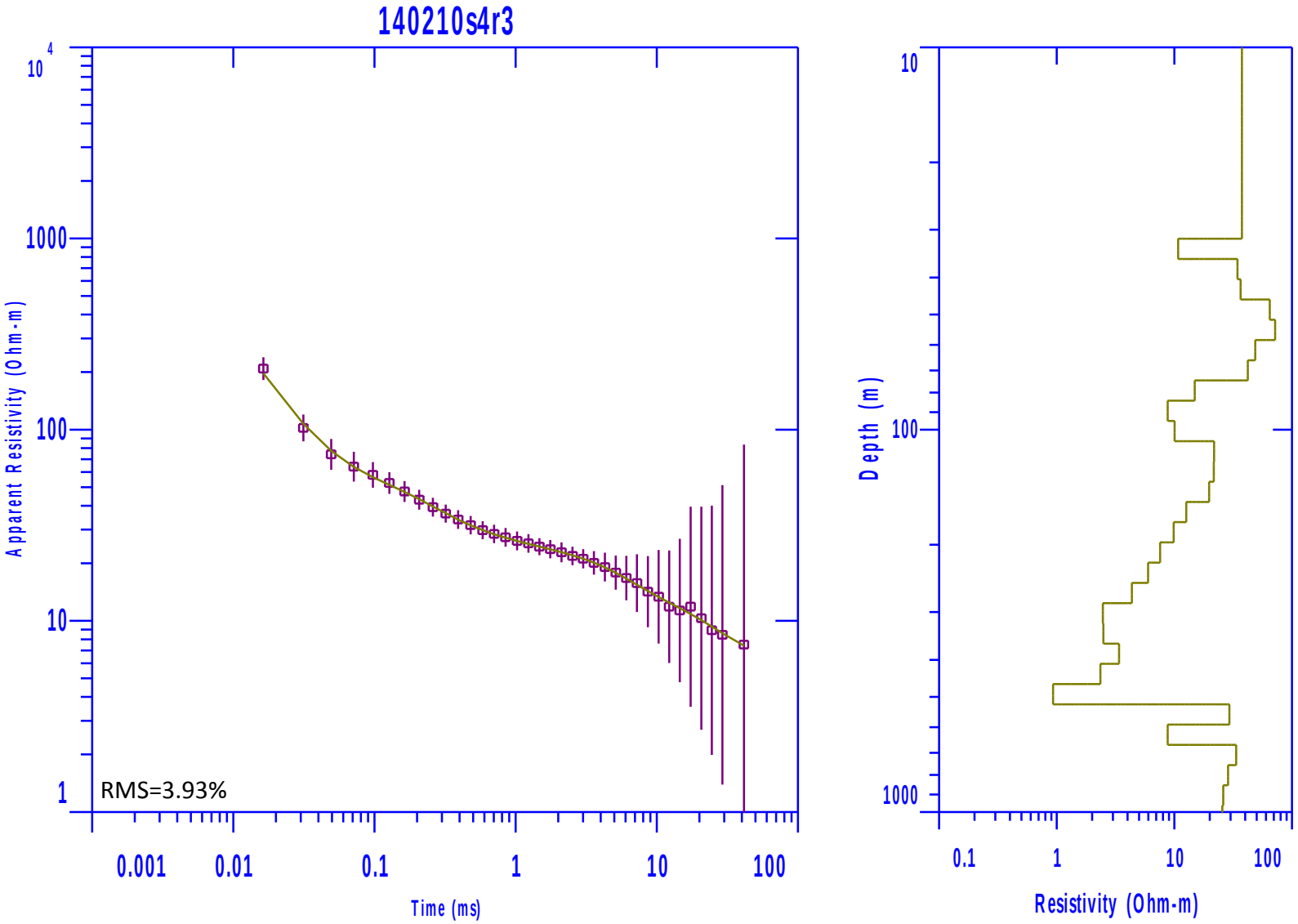

140108s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.93%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

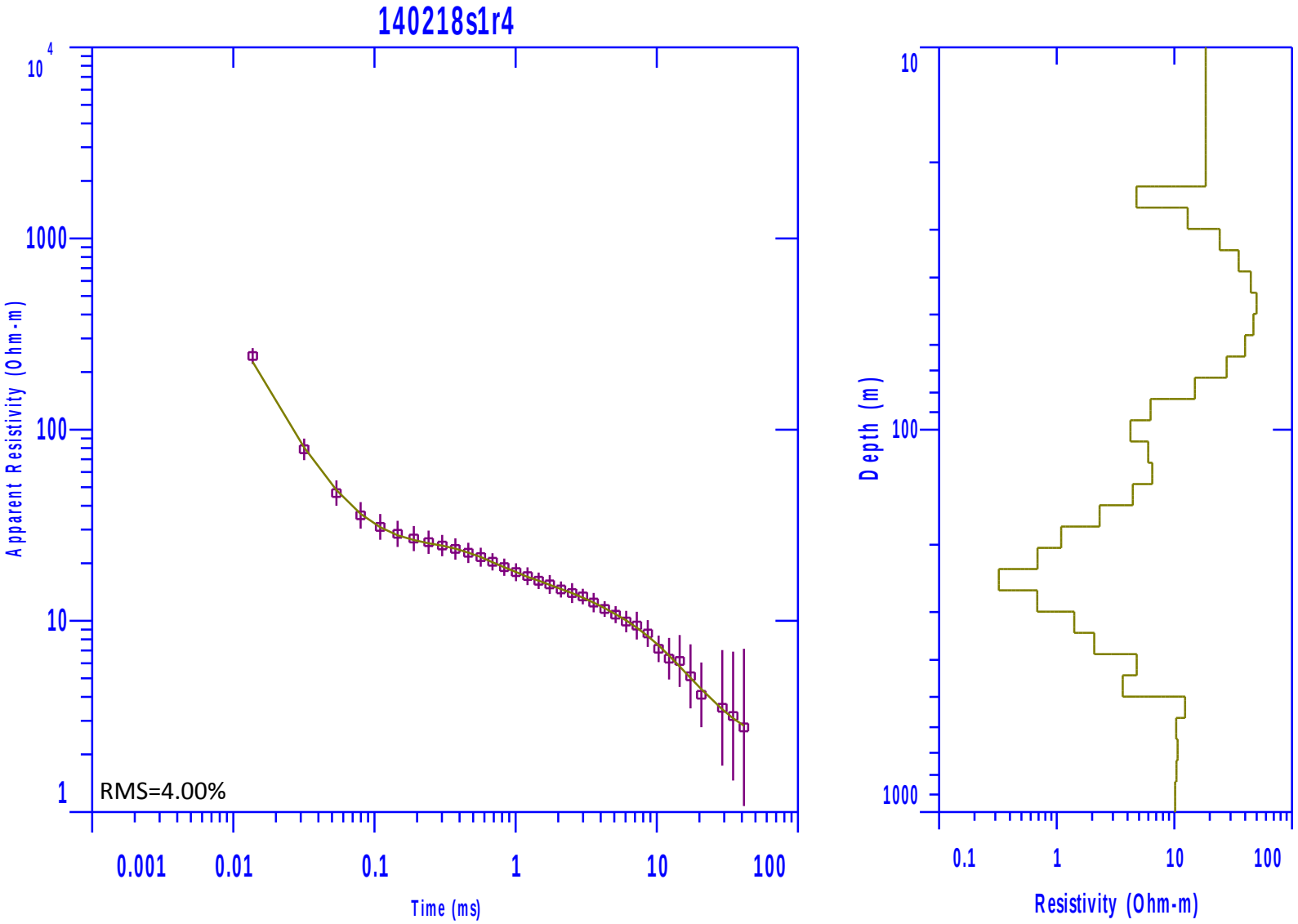

140108s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.15%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

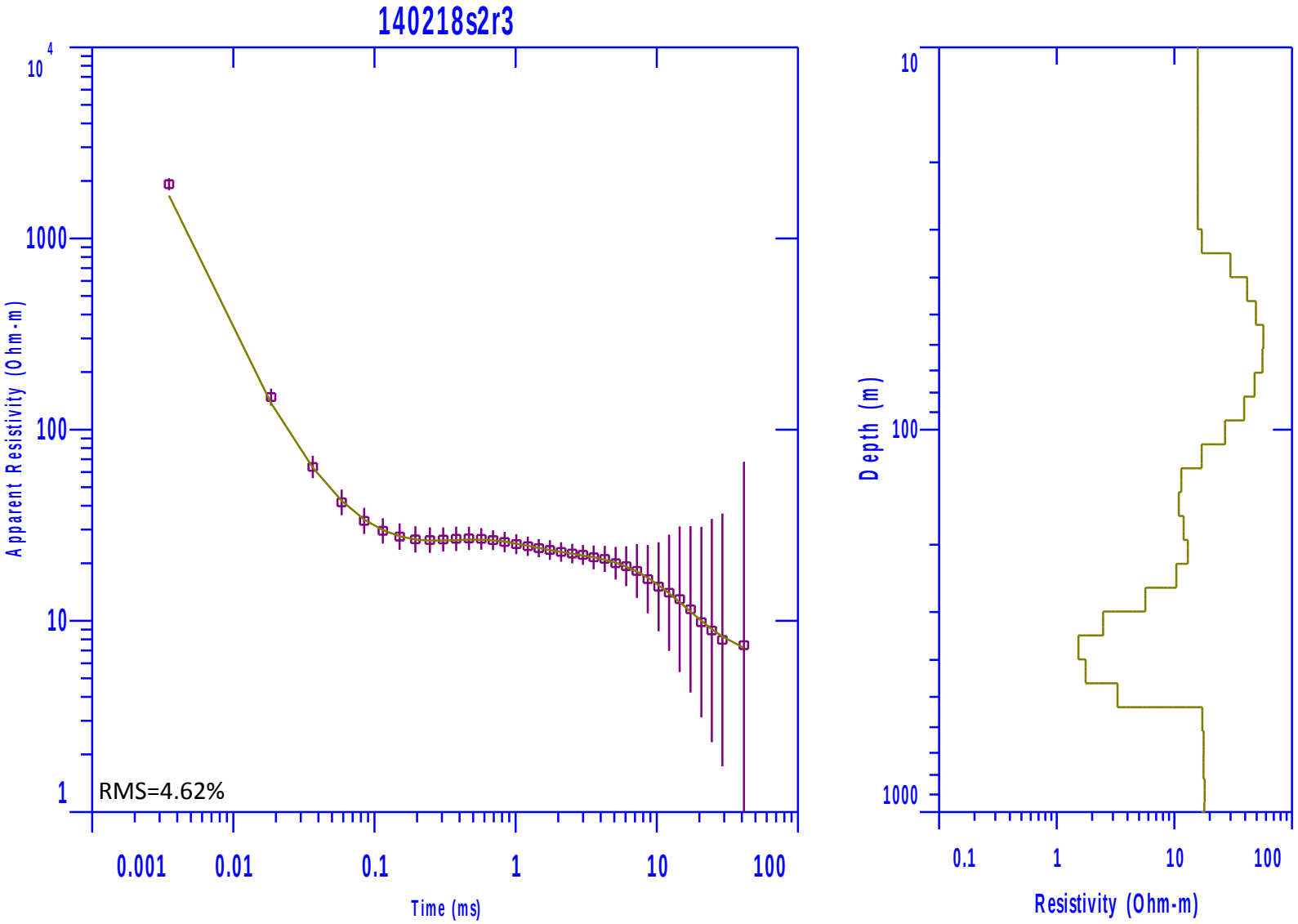

140210s1r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=6.61%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

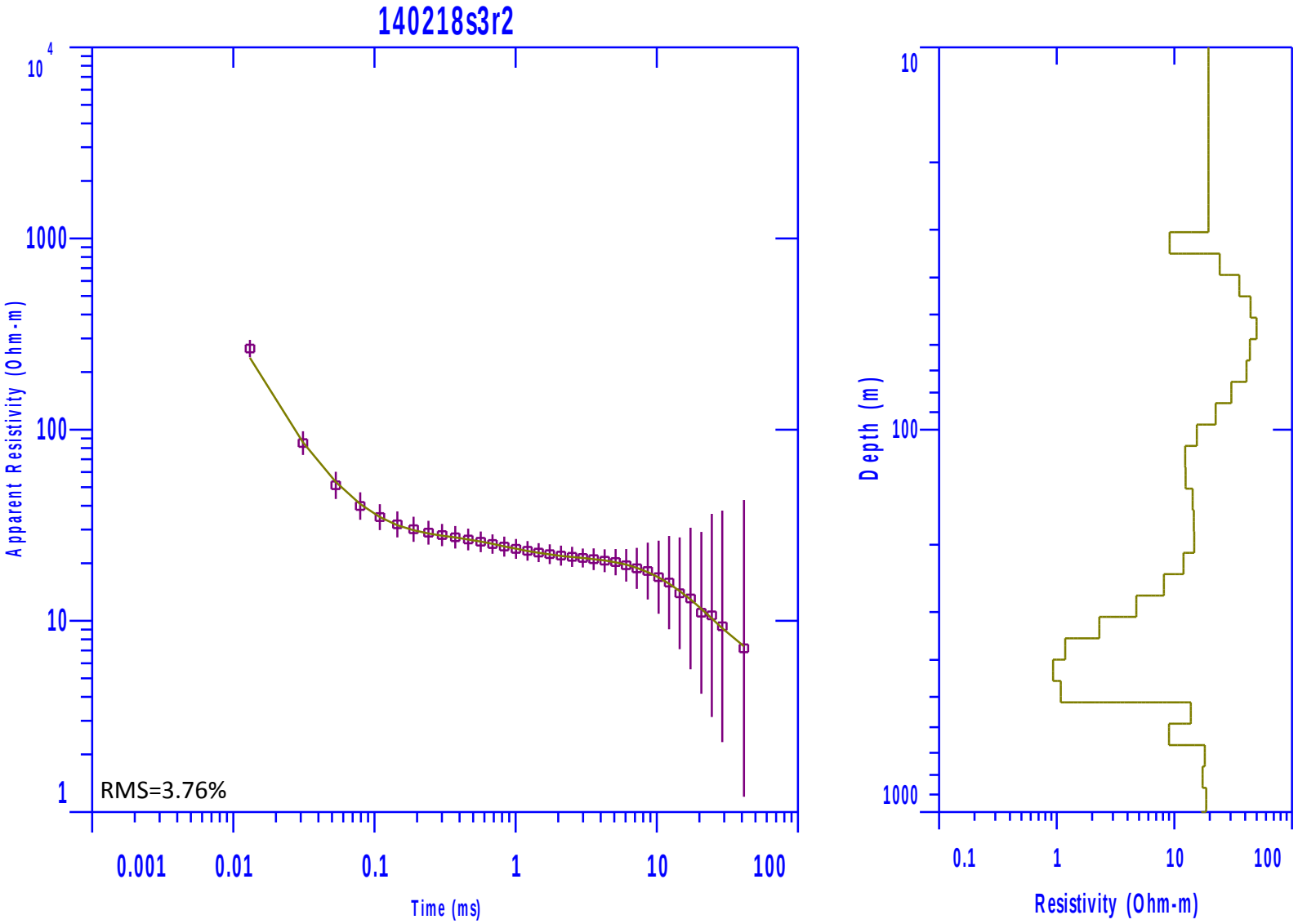

140210s2r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.58%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

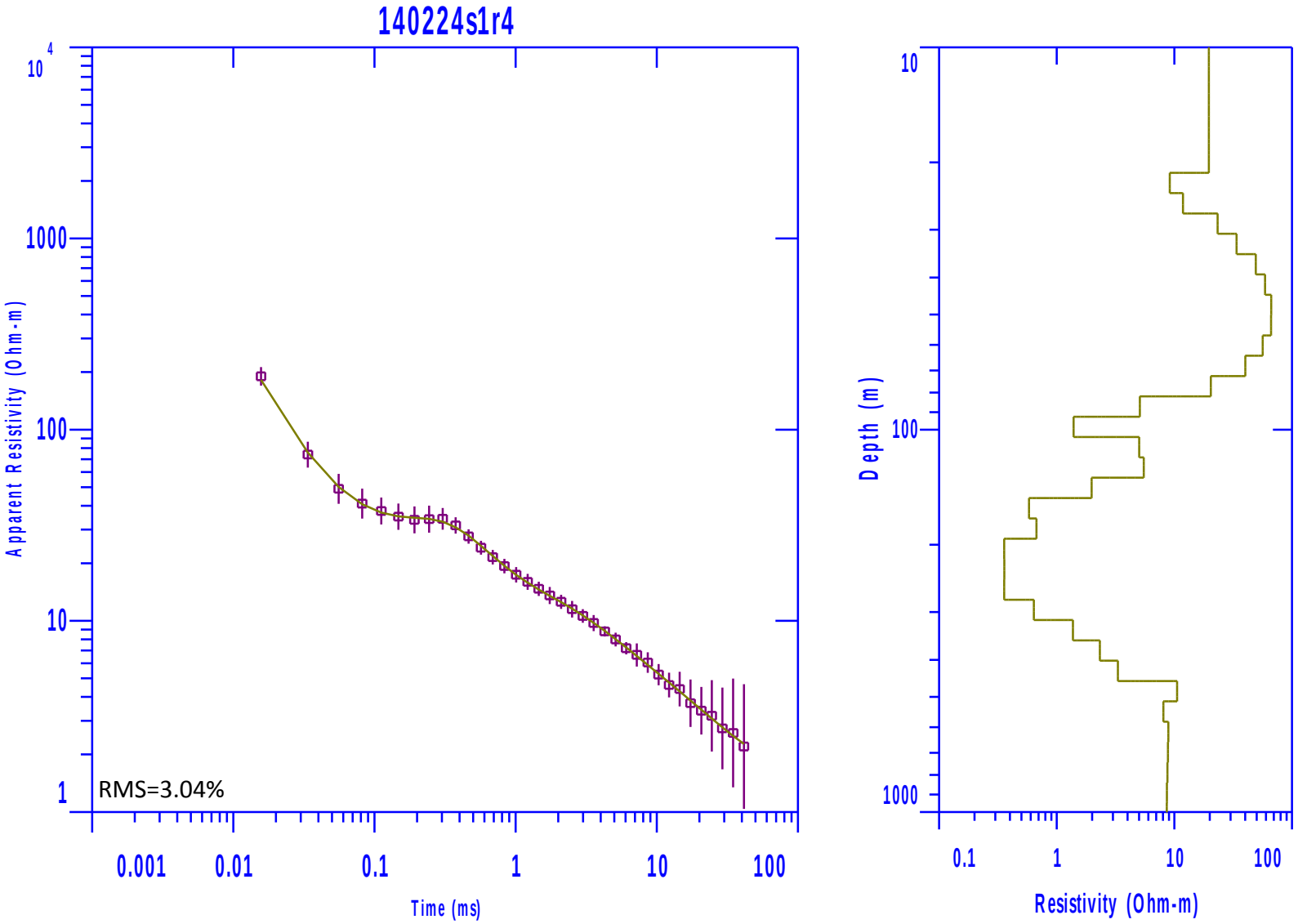

140210s3r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=2.68%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

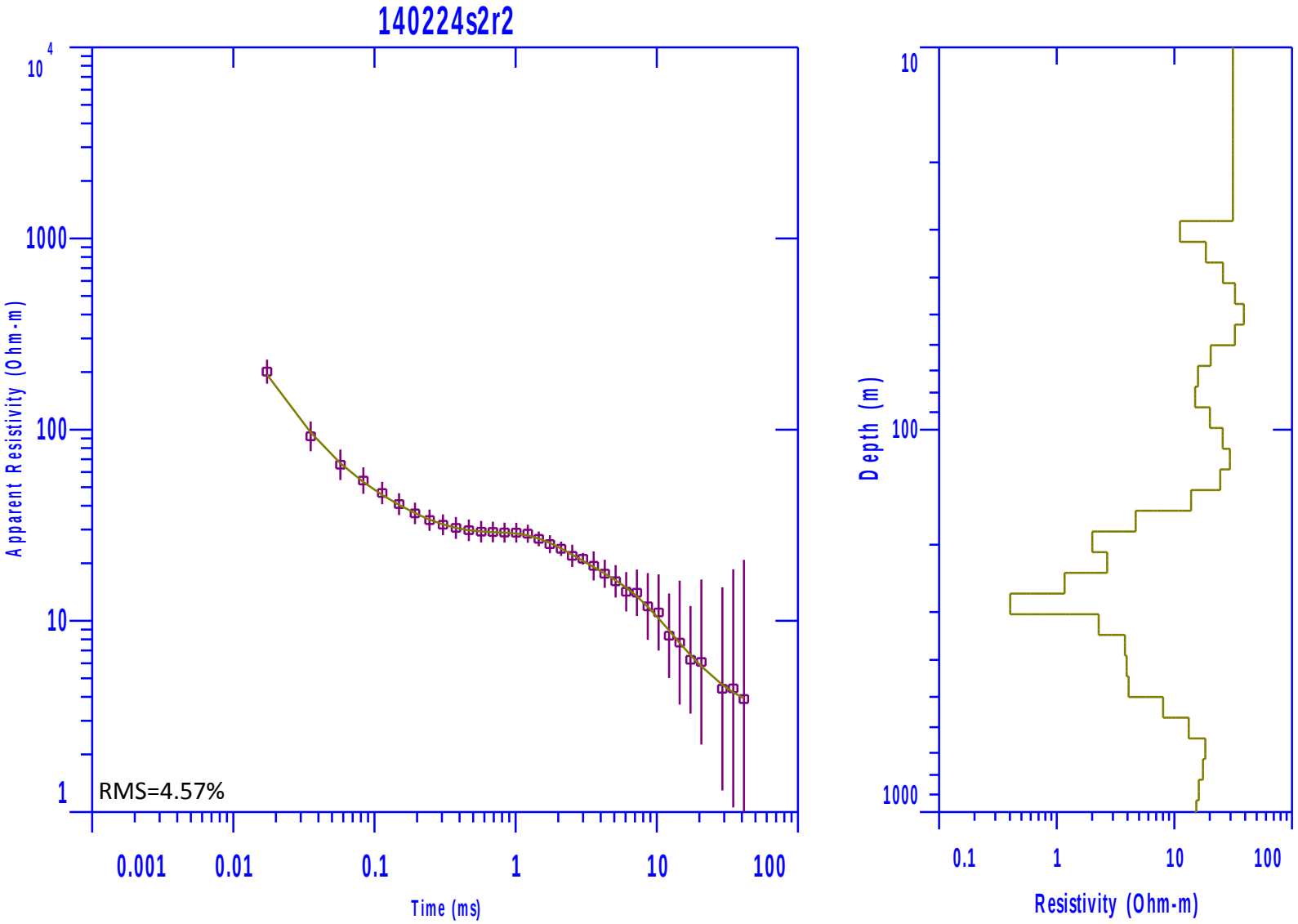

140210s4r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.93%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)

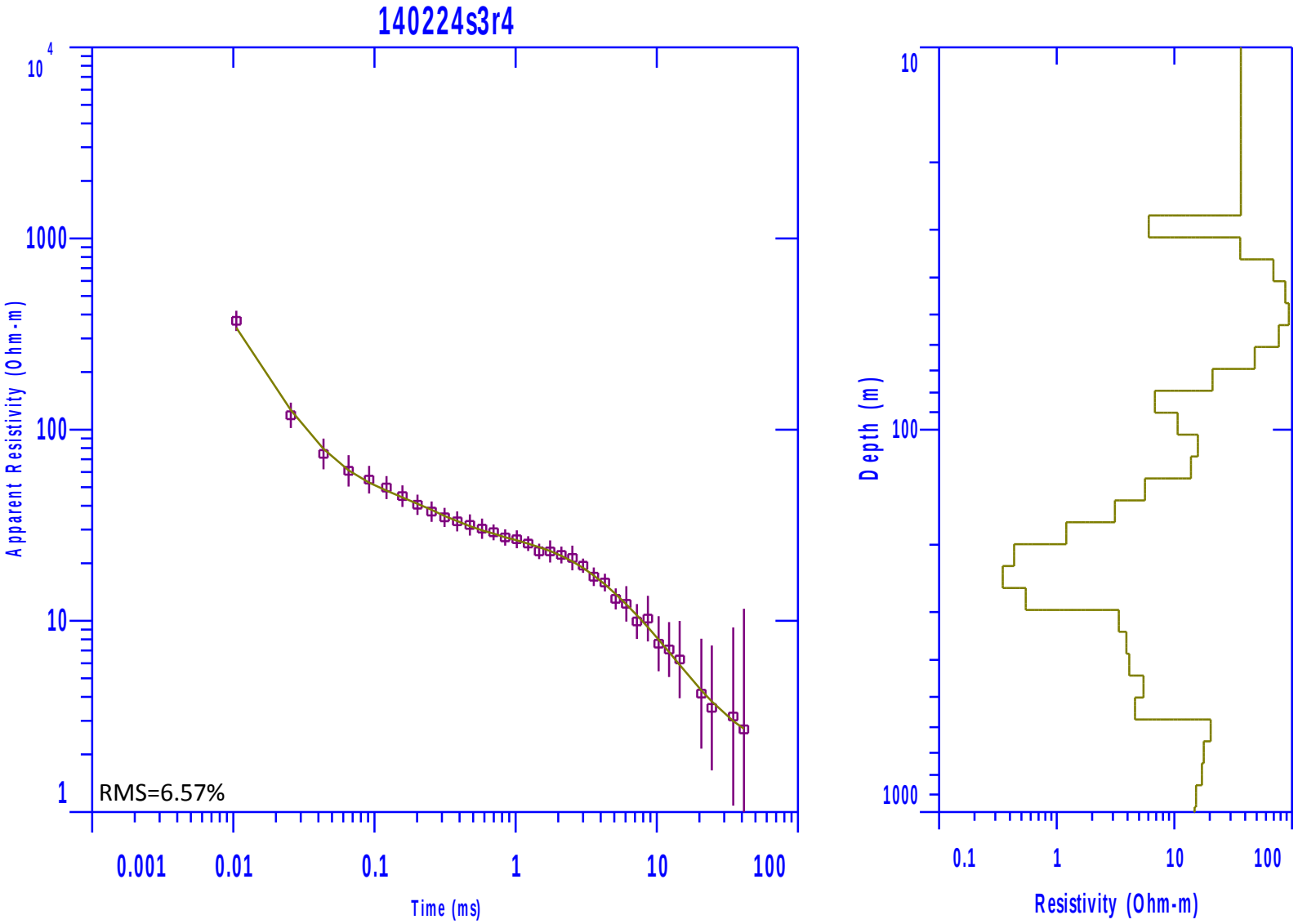

140218s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.00%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)


140218s2r3
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.62%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)


140218s3r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.76%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)


140224s1r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=3.04%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)


140224s2r2
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=4.57%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)


140224s3r4
Apparent Resistivity (Ohm-m)
10^4
1000
100
10
1
RMS=6.57%
0.001
0.01
0.1
1
10
100
Time (ms)
Depth (m)
10
100
1000
0.1
1
10
100
Resistivity (Ohm-m)