



UNITED NATIONS
UNIVERSITY

GEOHERMAL TRAINING PROGRAMME
Orkustofnun, Grensasvegur 9,
IS-108 Reykjavik, Iceland

Reports 2011
Number 8

APPENDICES TO THE REPORT:
**RESISTIVITY IMAGING OF THE SANTA MARIA SECTOR AND THE
NORTHERN ZONE OF LAS PAILAS GEOTHERMAL AREA, COSTA
RICA, USING JOINT 1D INVERSION OF TDEM AND MT DATA**

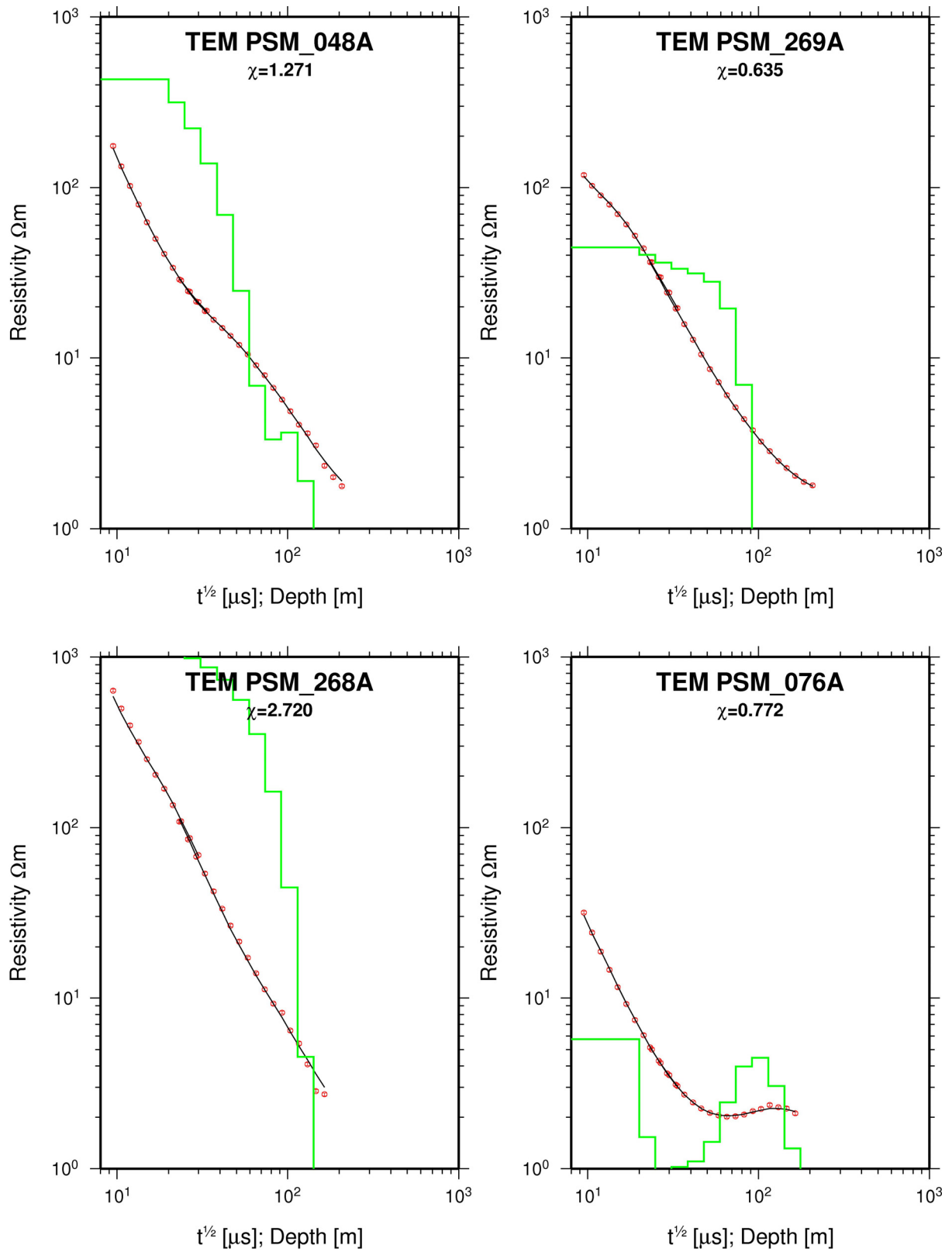
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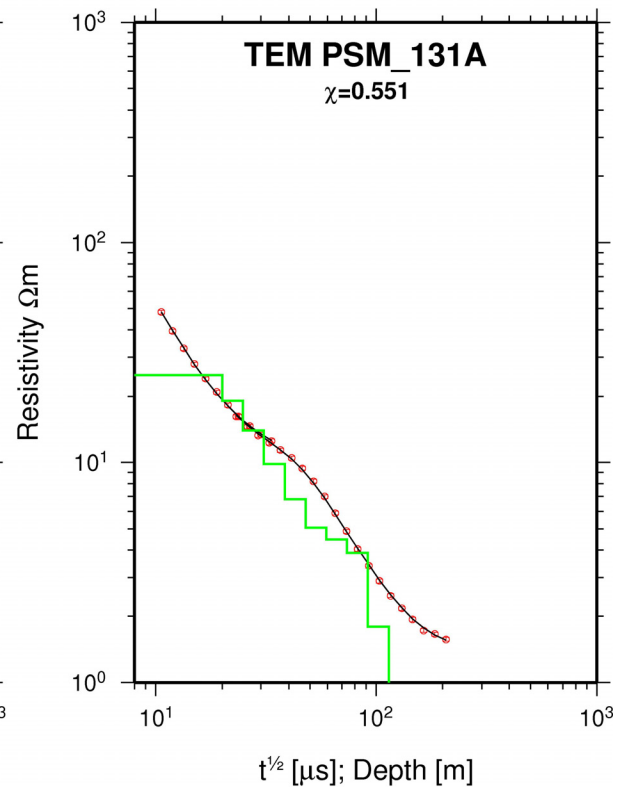
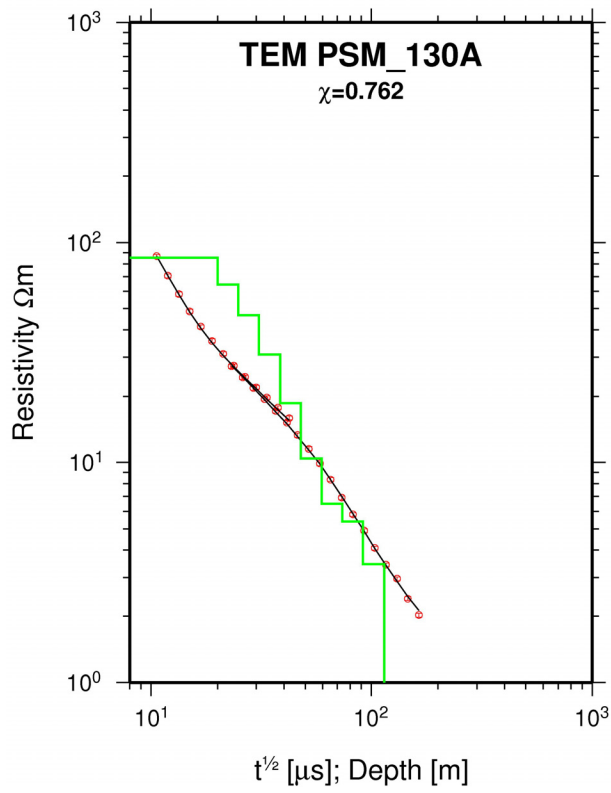
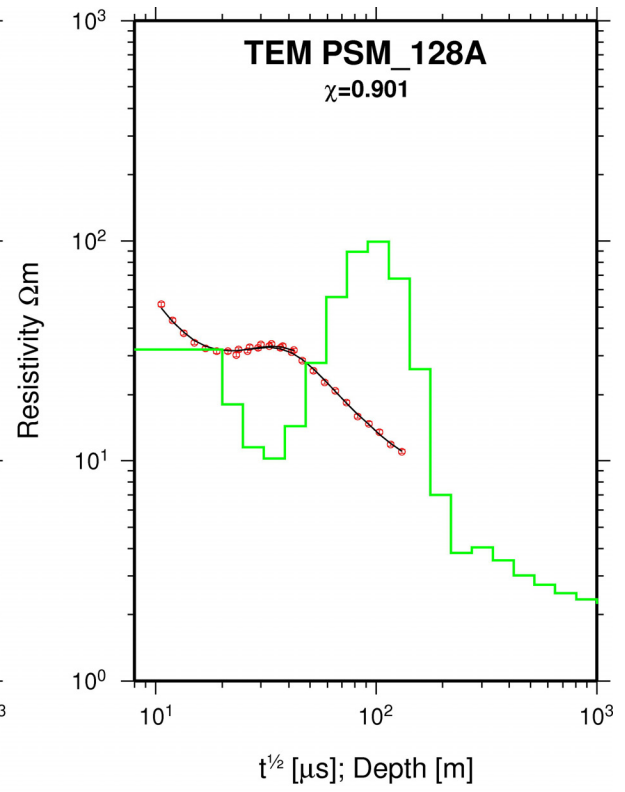
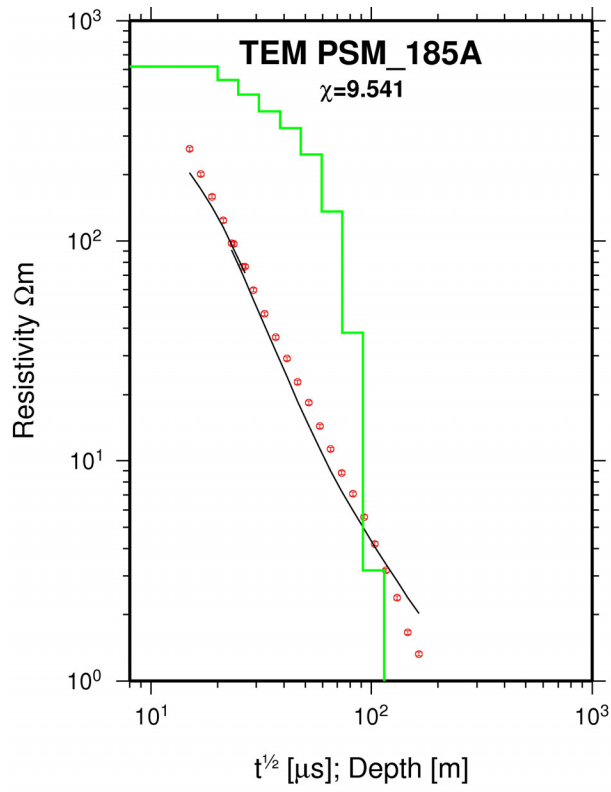
Diego Badilla Elizondo
Instituto Costarricense de Electricidad (ICE)
P.O. Box 10032
Sabana Norte, San José
Costa Rica
dbadillae@ice.go.cr

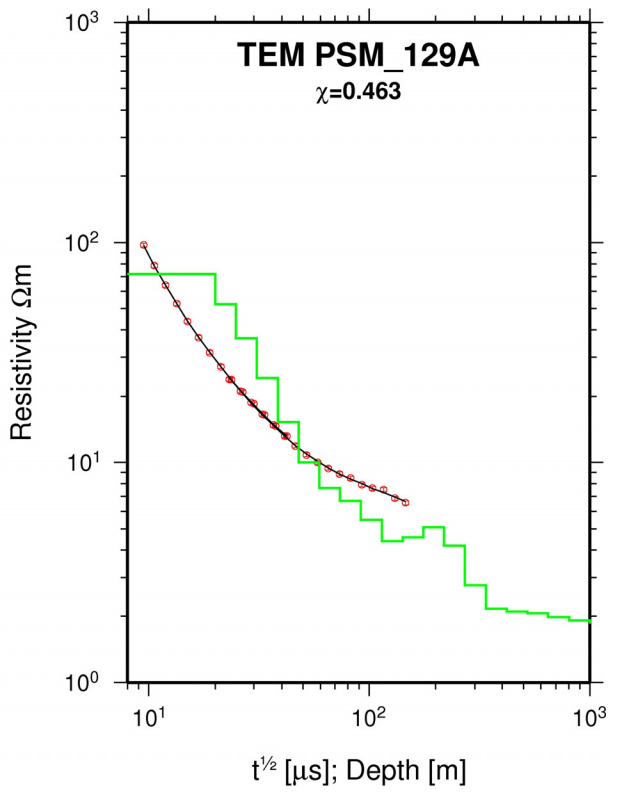
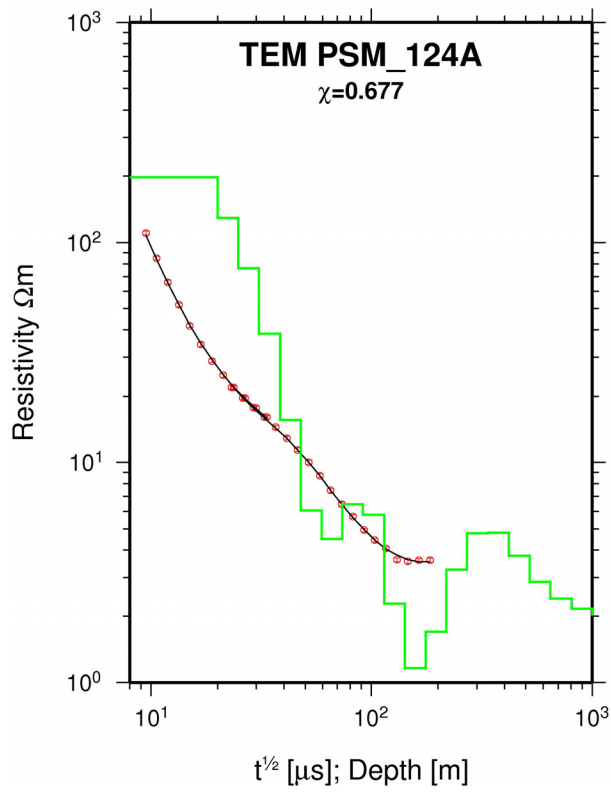
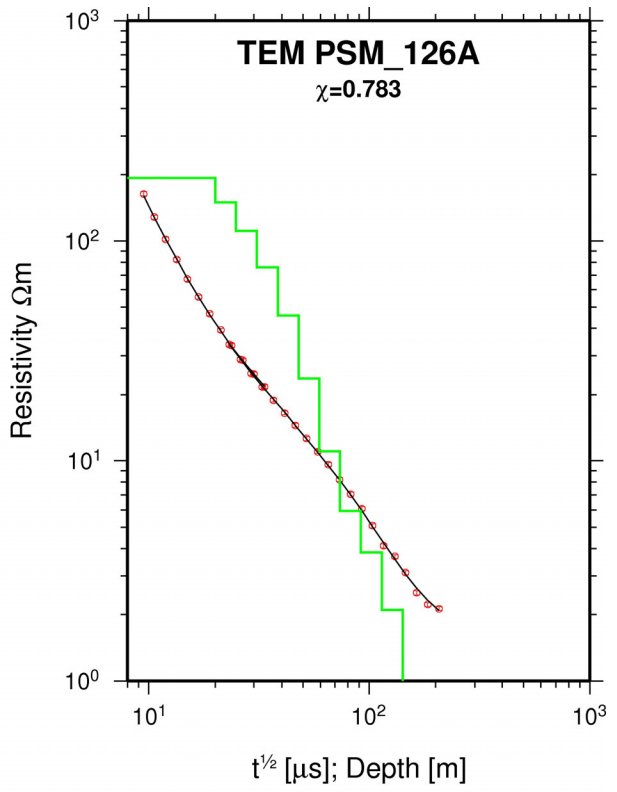
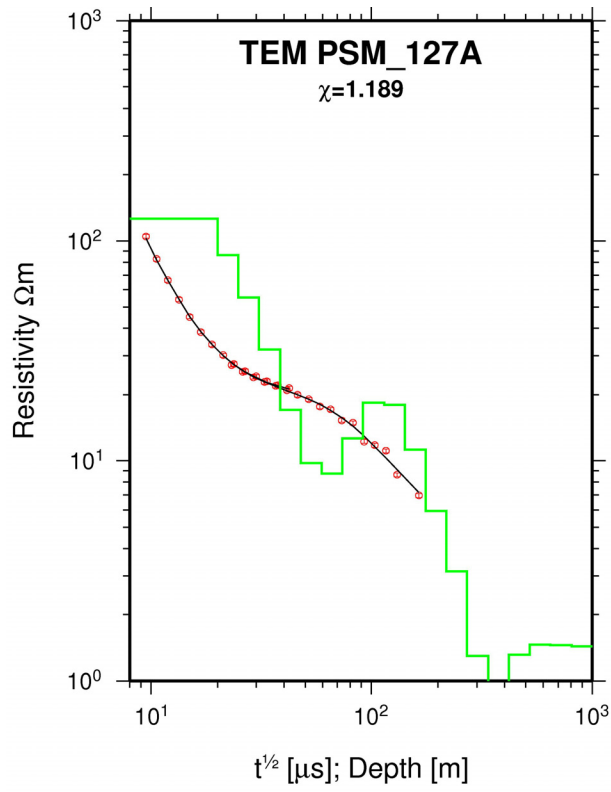
United Nations University
Geothermal Training Programme
Reykjavík, Iceland
Published in 2011

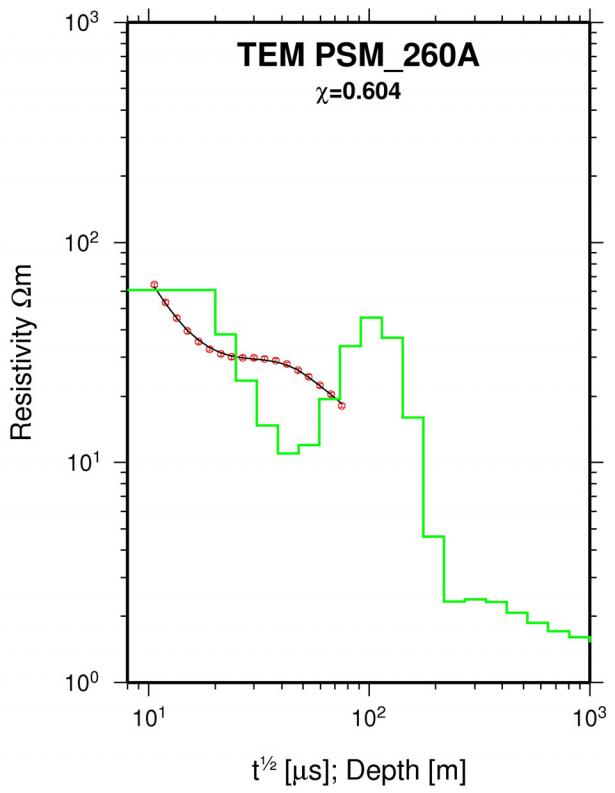
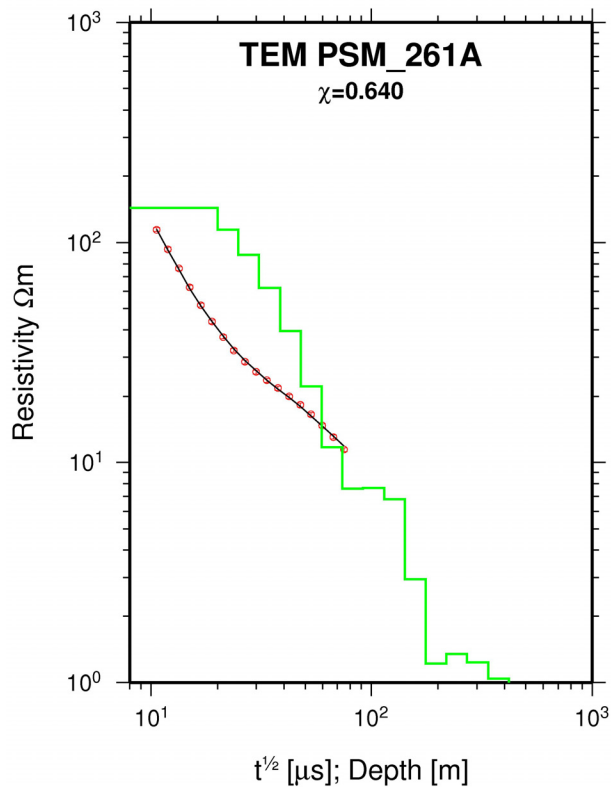
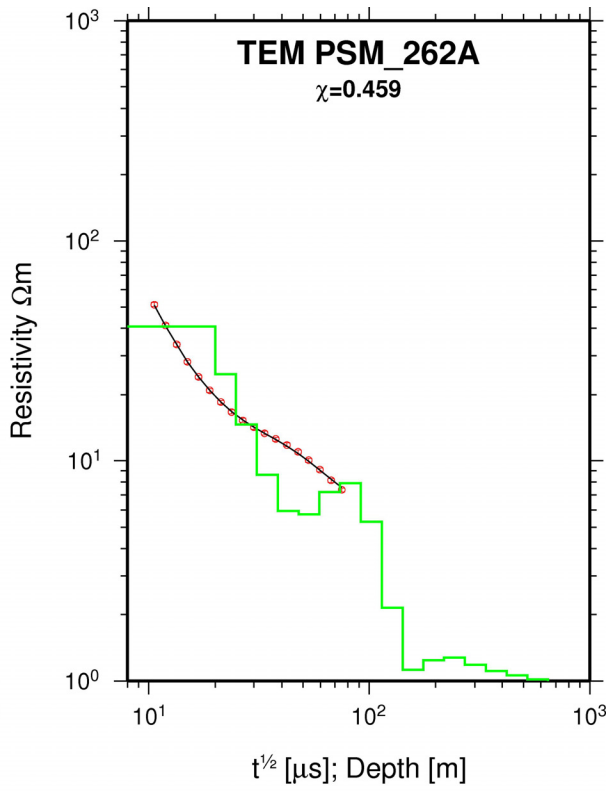
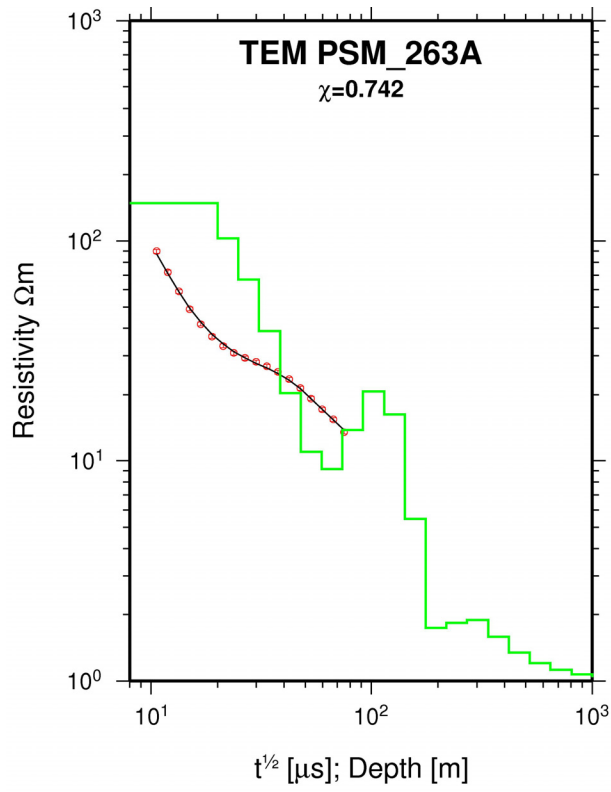
These are appendices to the report “Resistivity imaging of the Santa Maria sector and the northern zone of Las Pailas geothermal area, Costa Rica, using joint 1D inversion of TDEM and MT data” by Diego Badilla Elizondo at the UNU Geothermal Training Programme in 2011. Appendix I shows the TDEM data and the associated 1D models for the TDEM soundings. Appendix II shows the processed data for all the MT soundings. Appendix III contains the 1D models of the joint inversion for all of the TDEM and MT data. Appendix IV, finally, shows additional resistivity cross-sections and iso-resistivity maps from Las Pailas geothermal area.

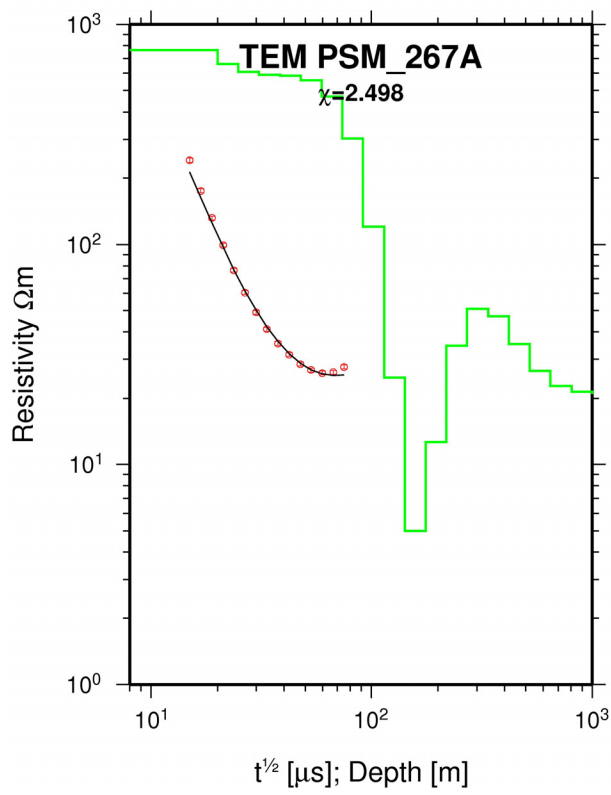
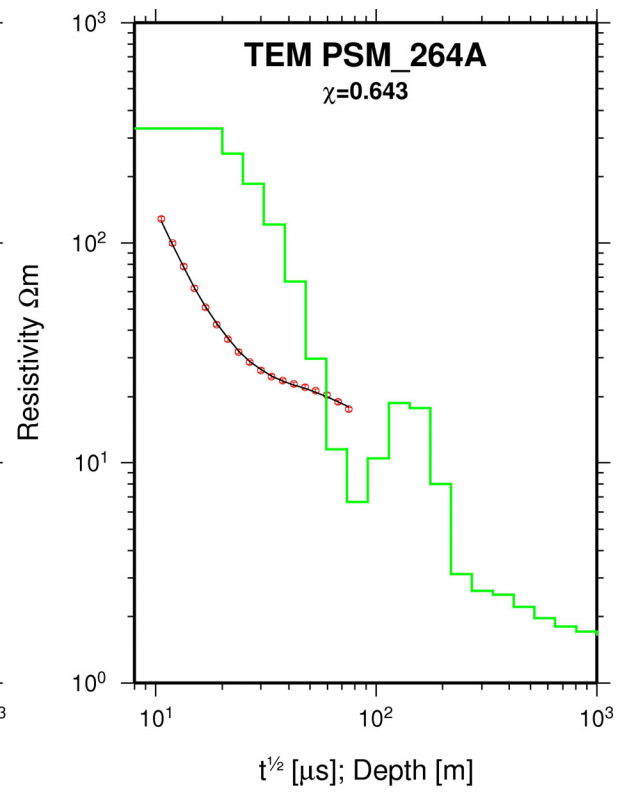
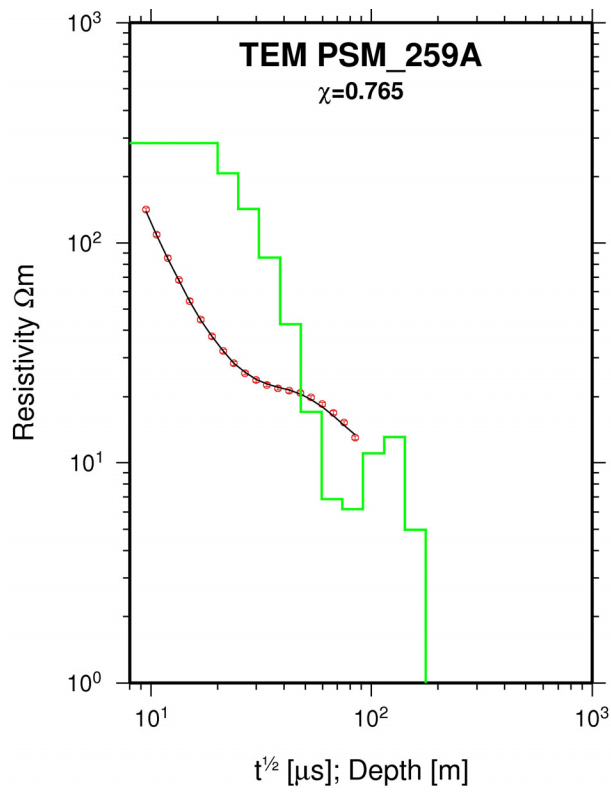
APPENDIX I: TDEM data and the associated 1D models for the TDEM soundings







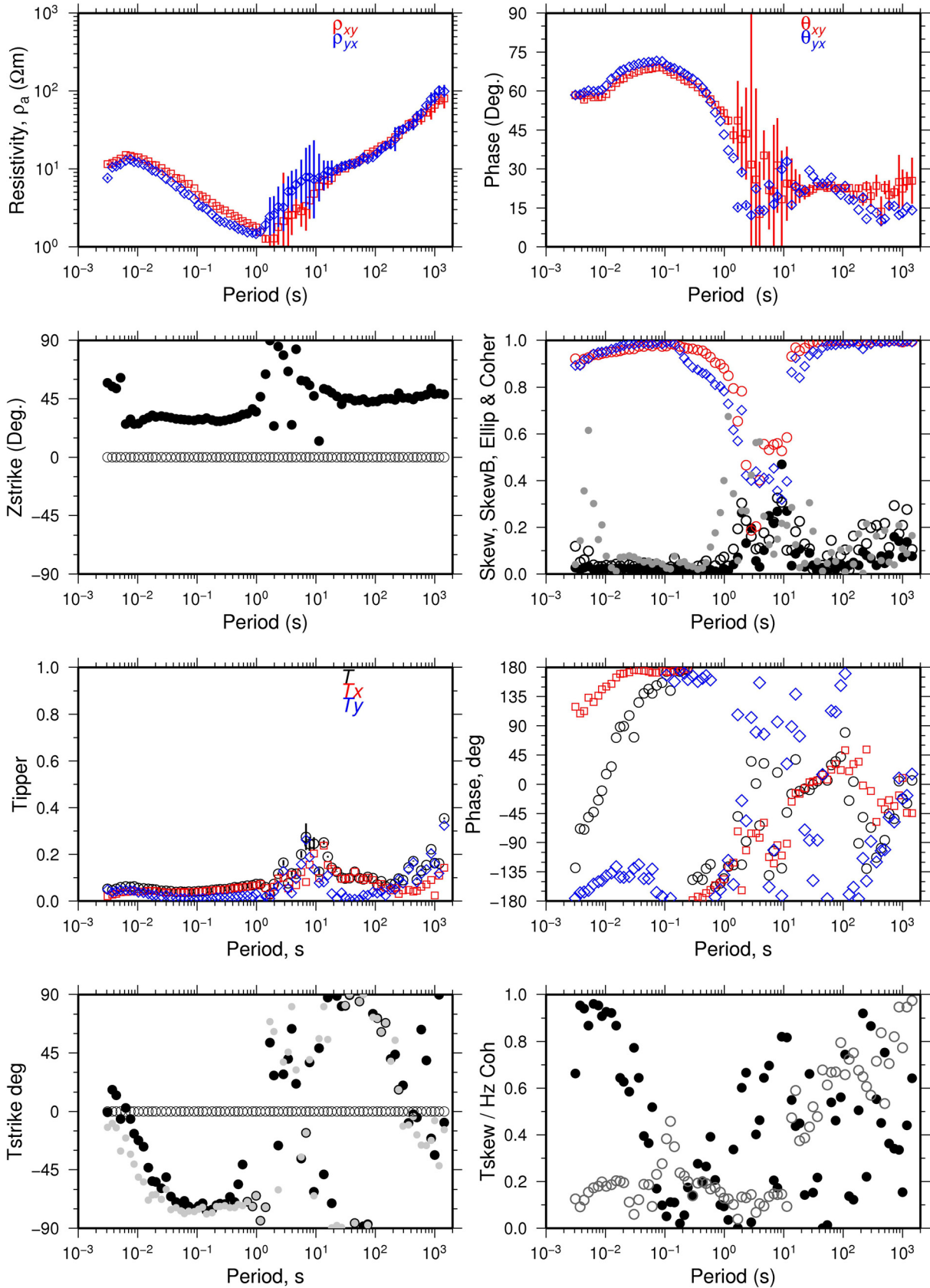




APPENDIX II: Processed data for all the MT soundings

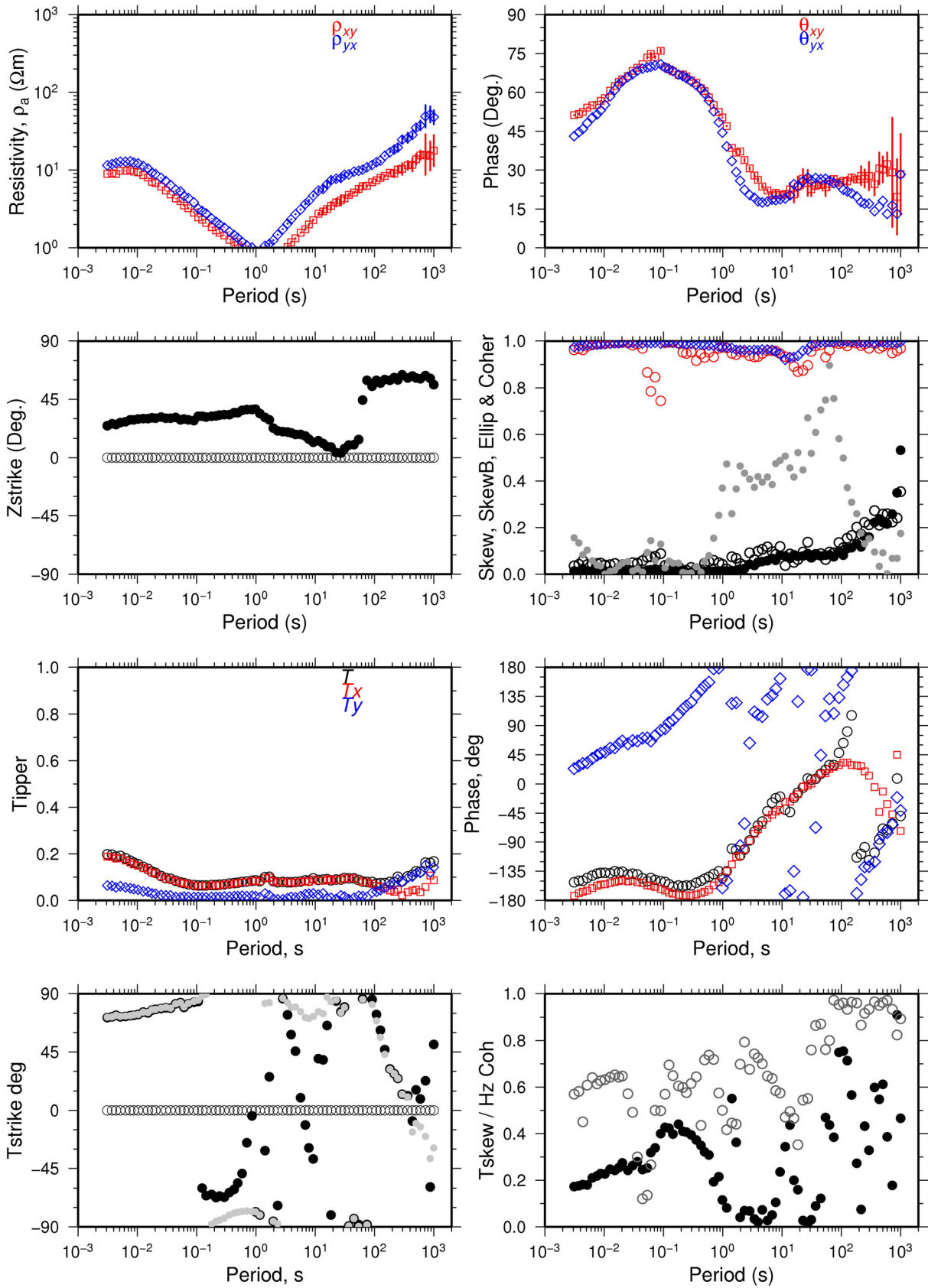
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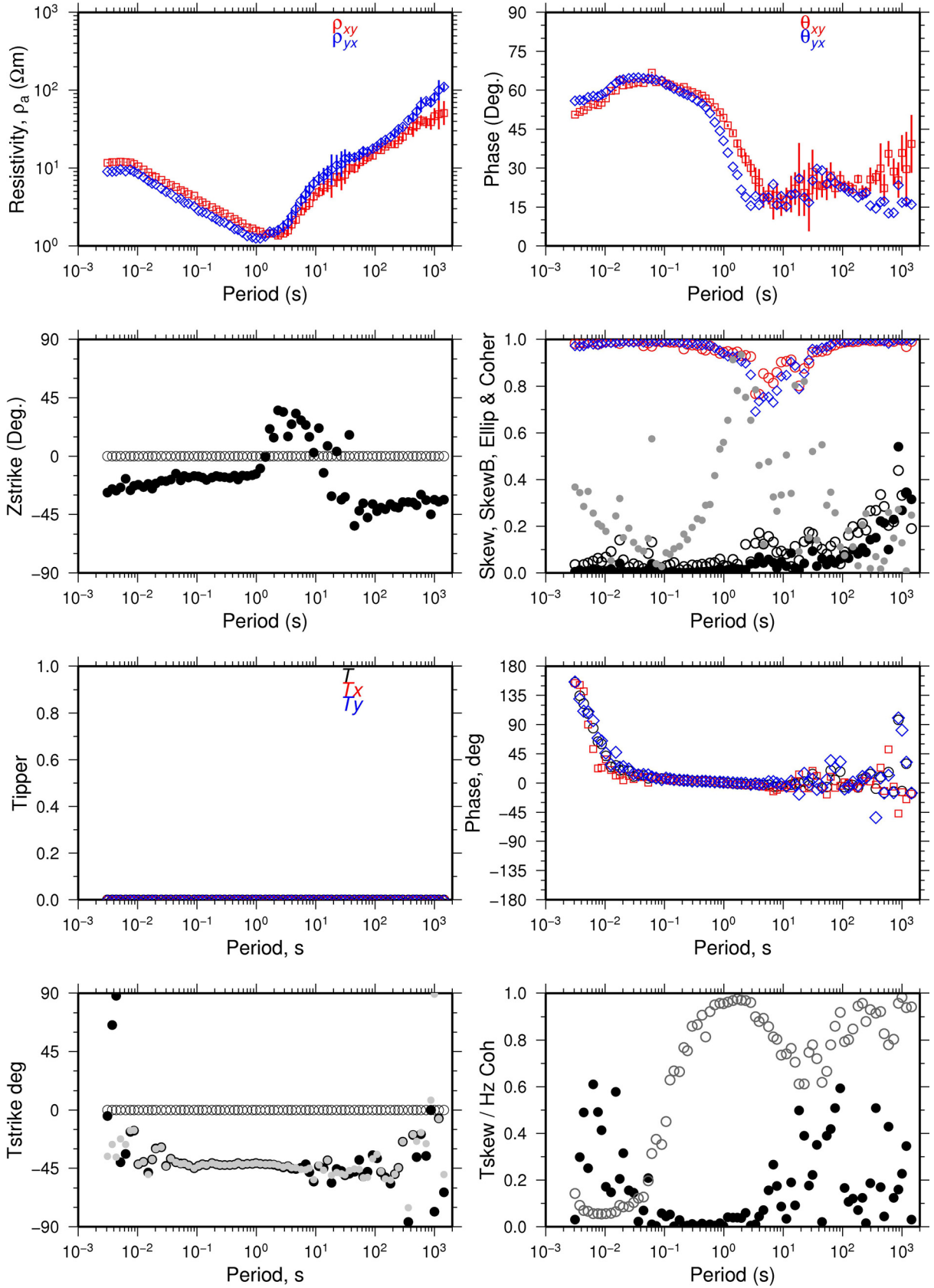
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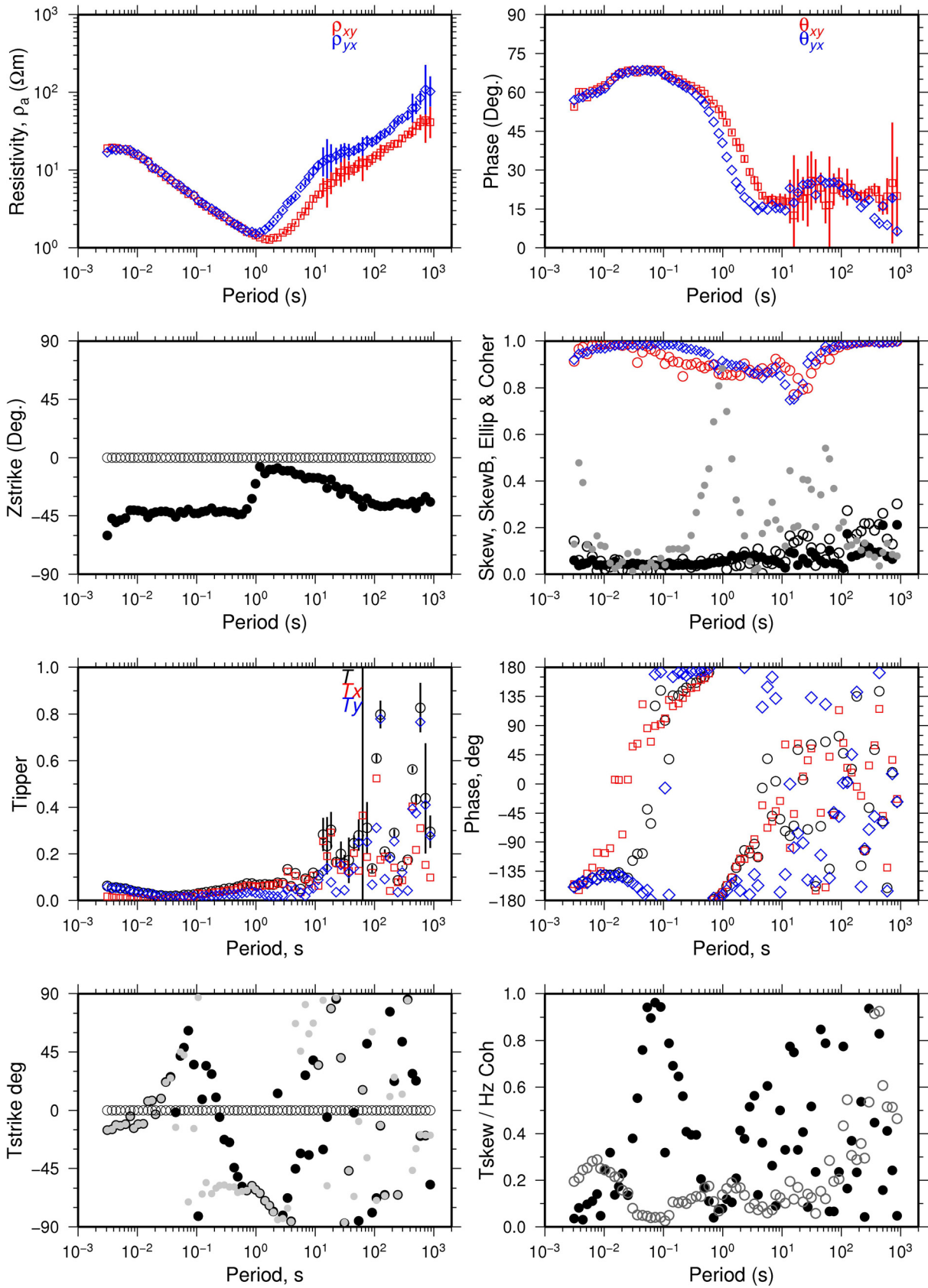
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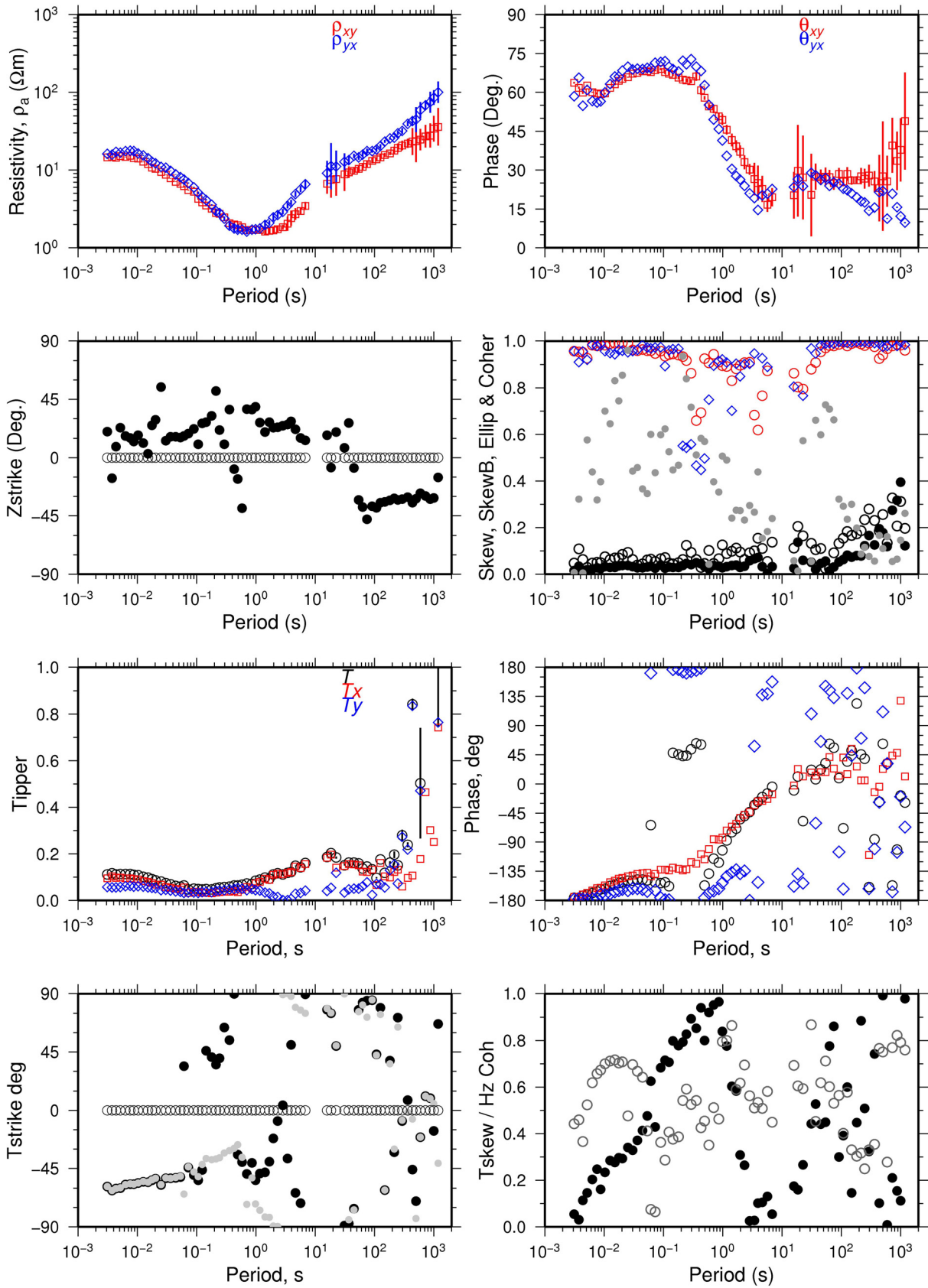
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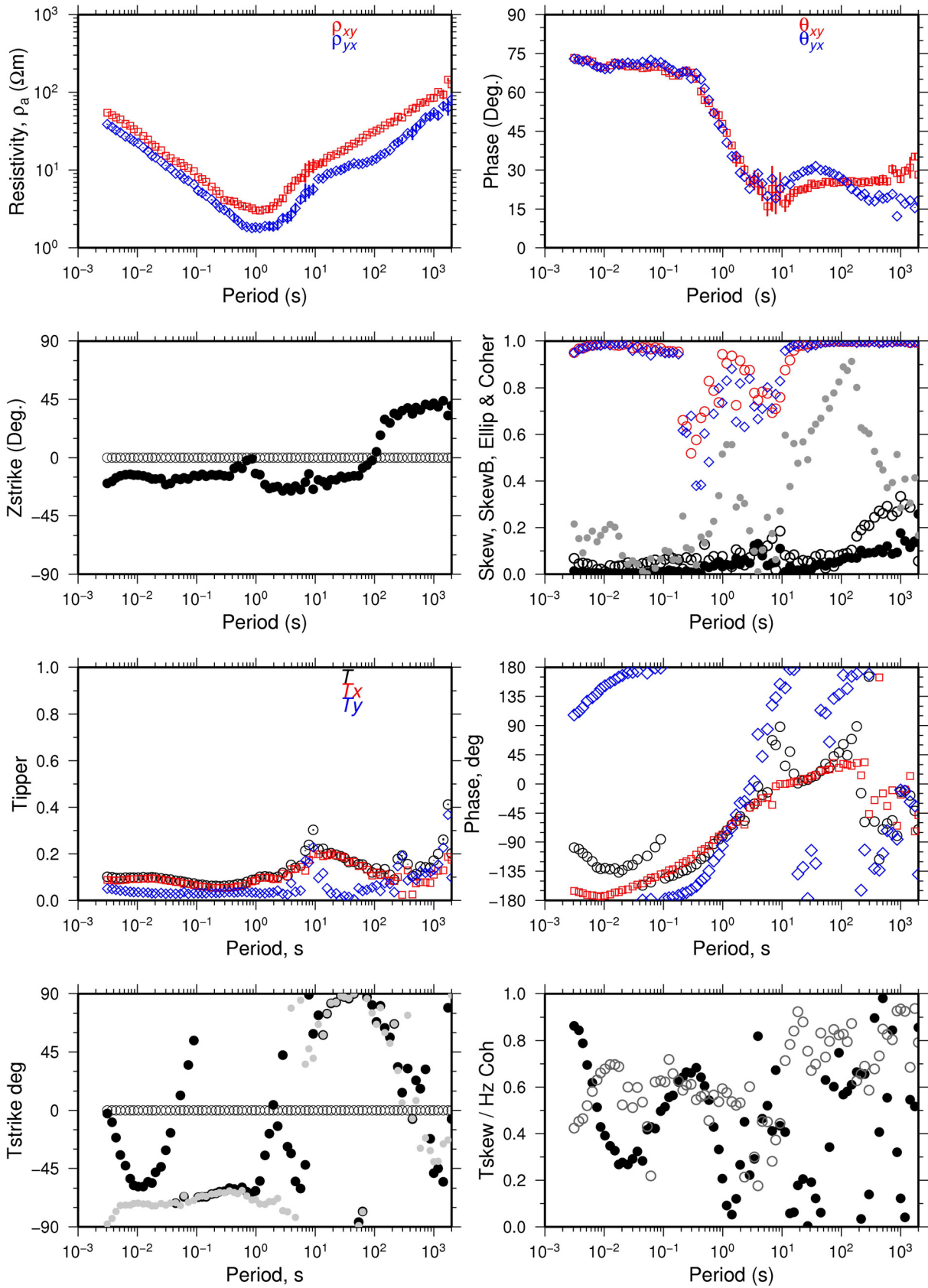
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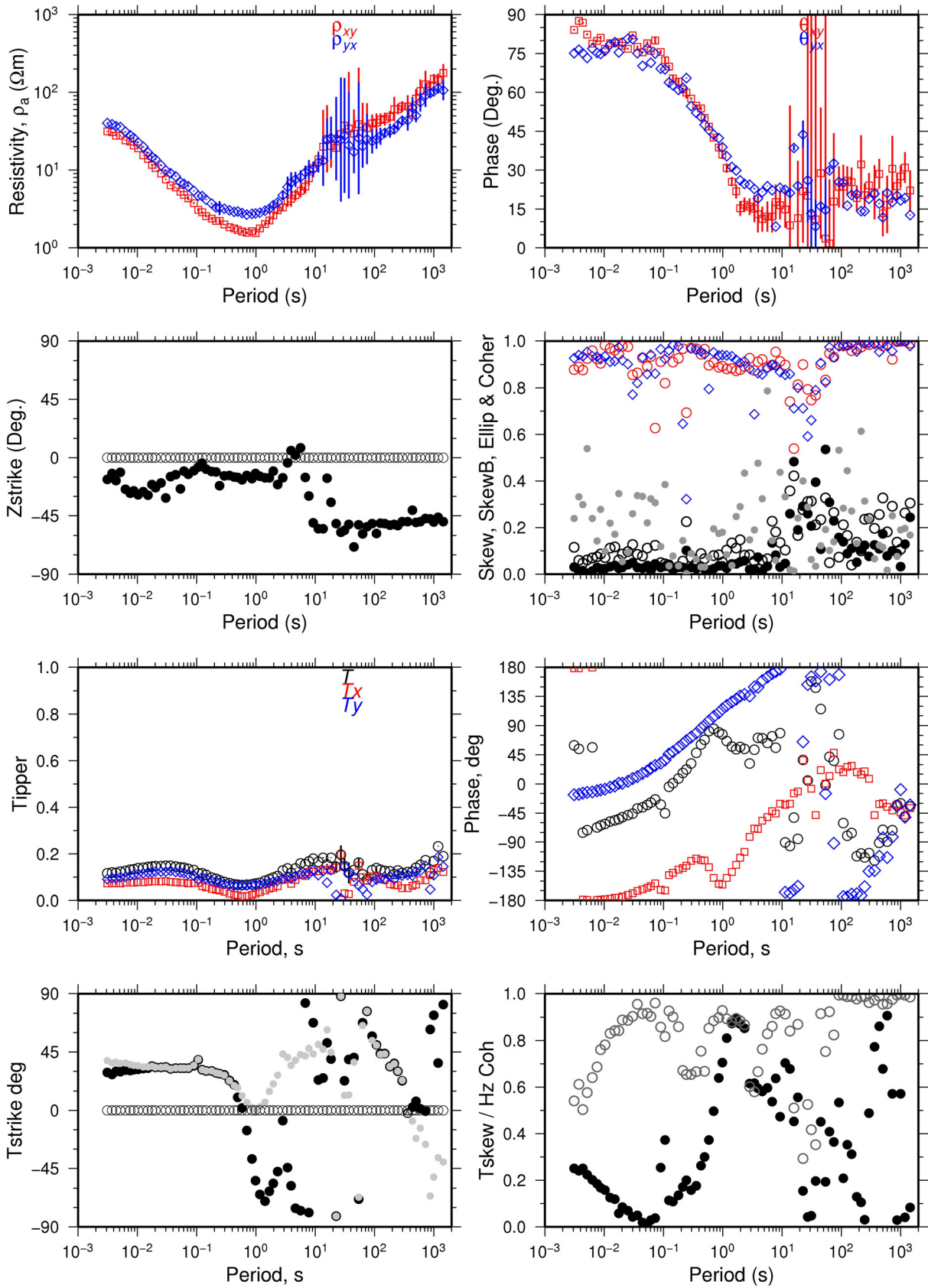
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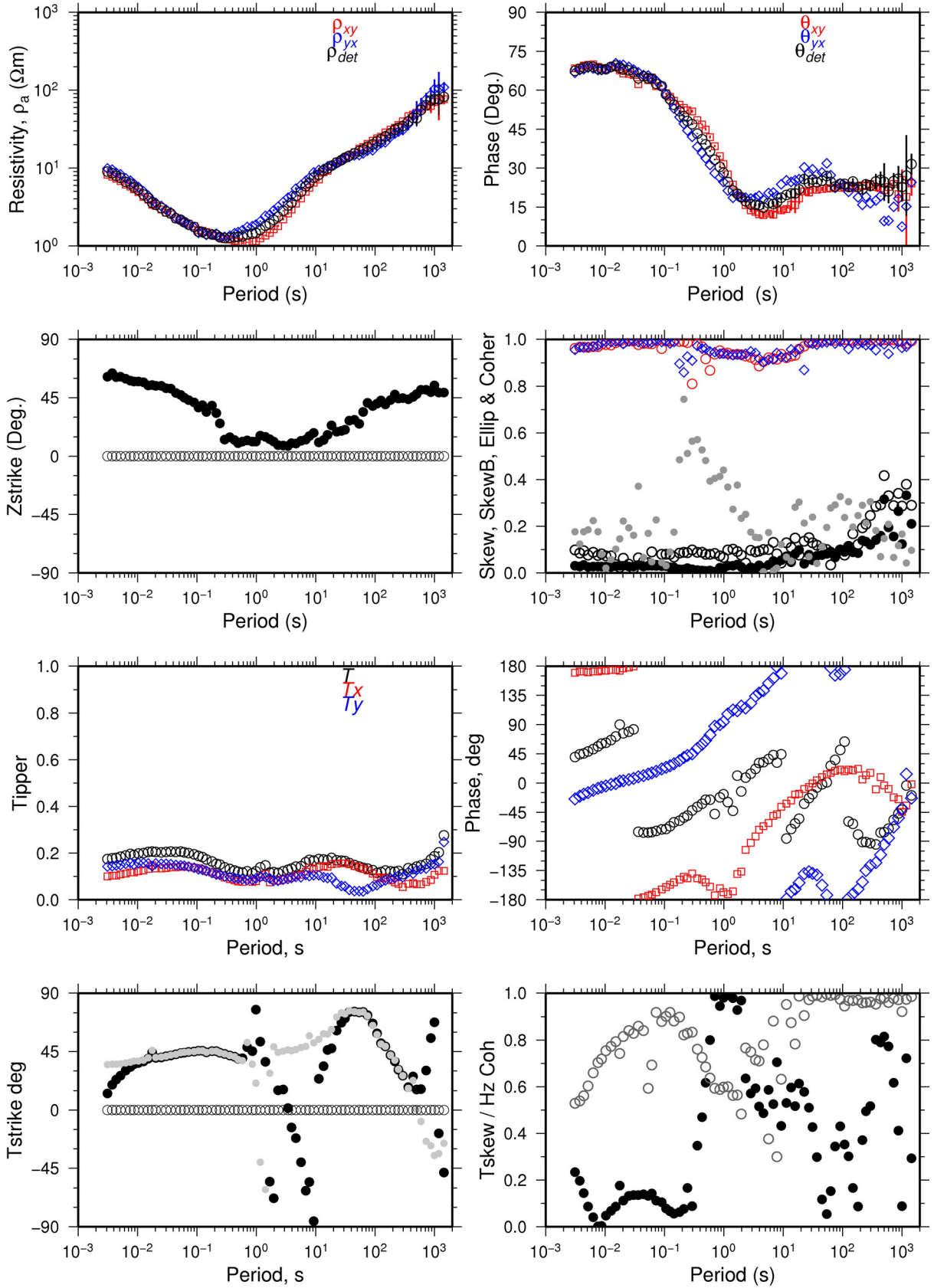
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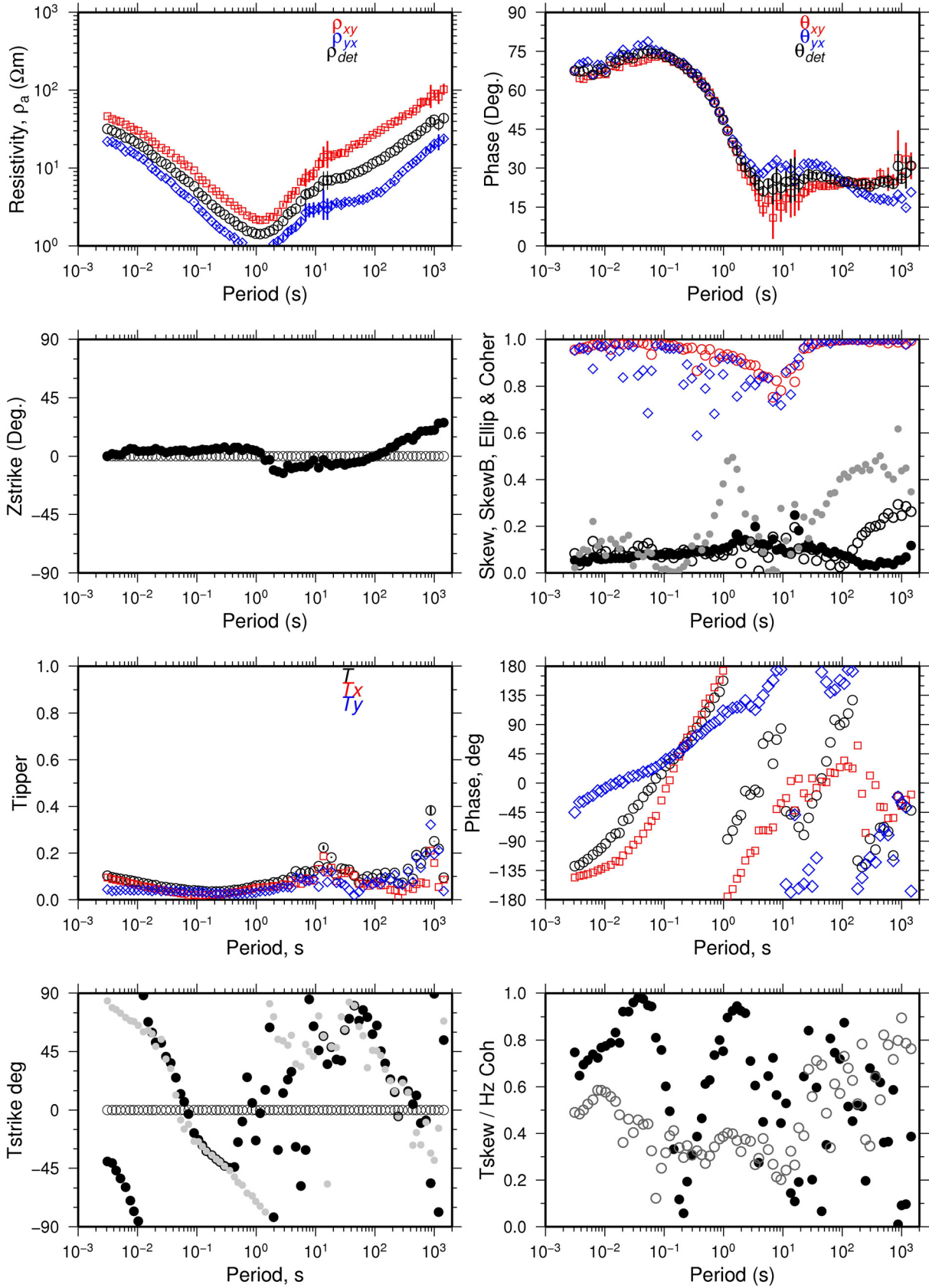
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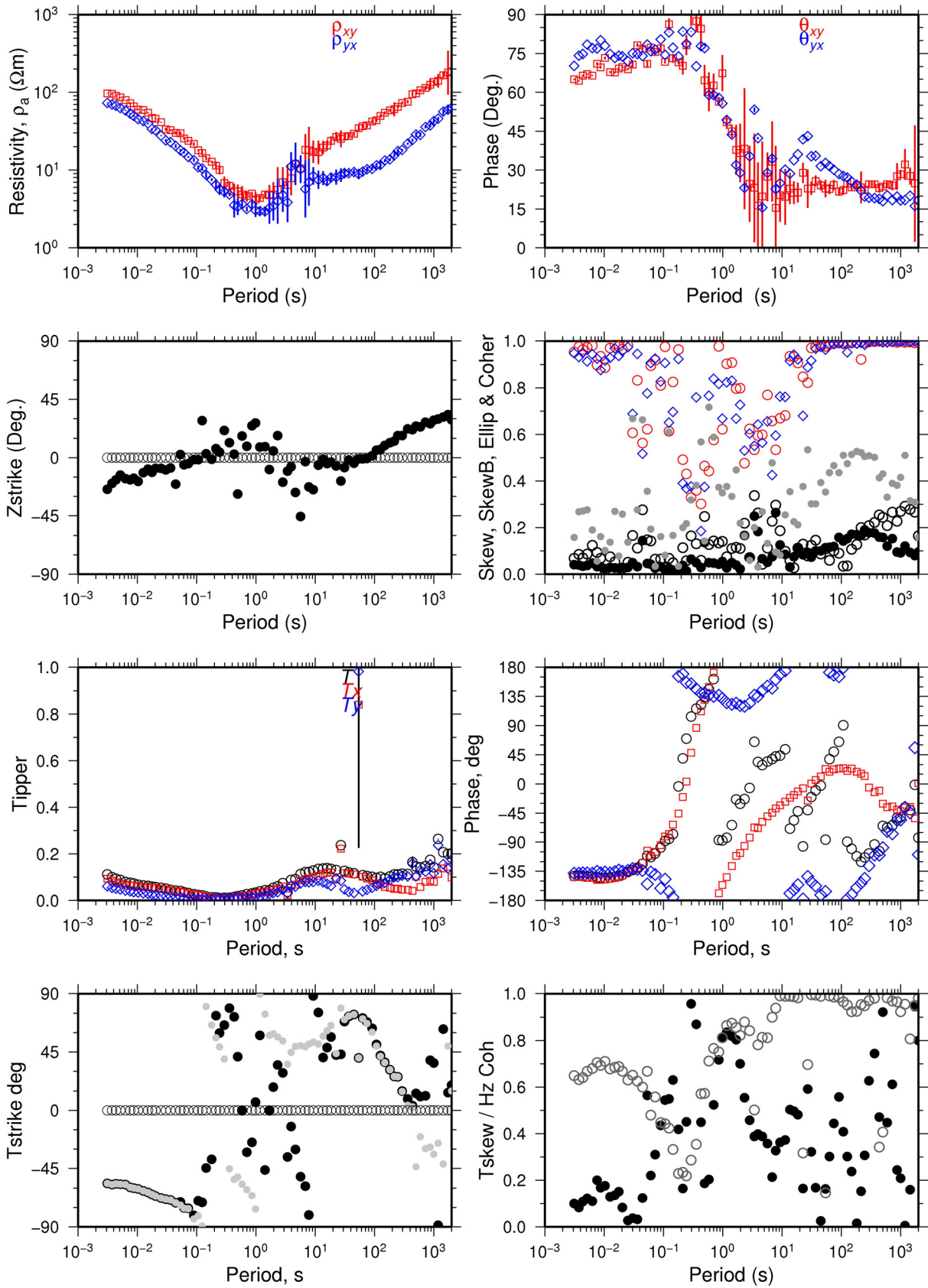
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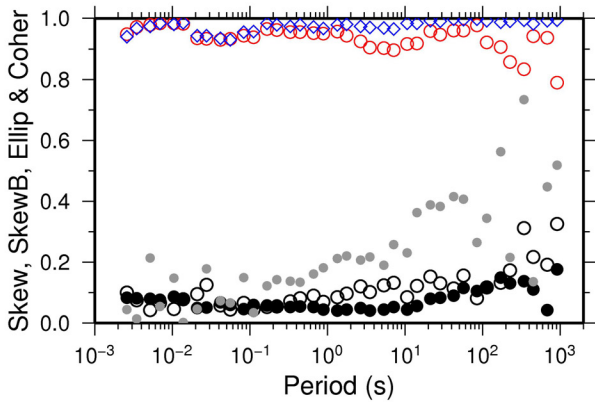
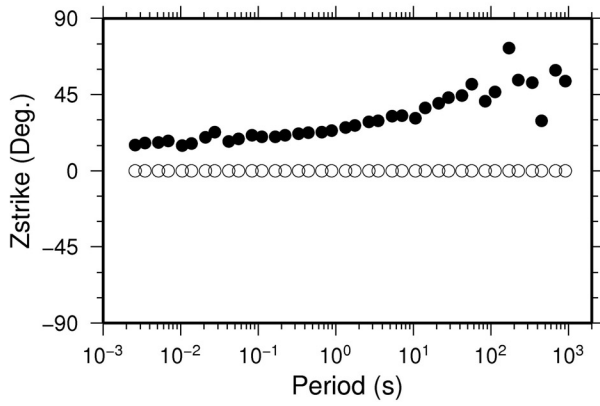
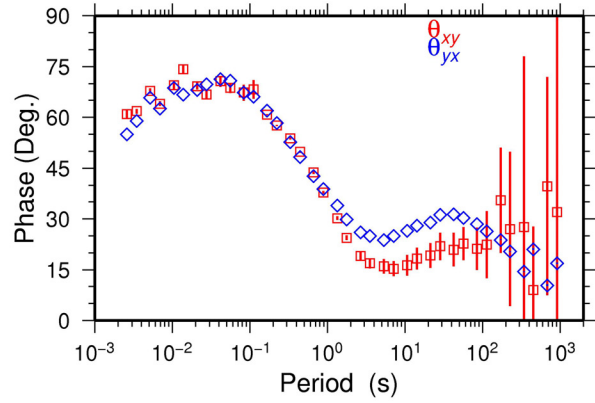
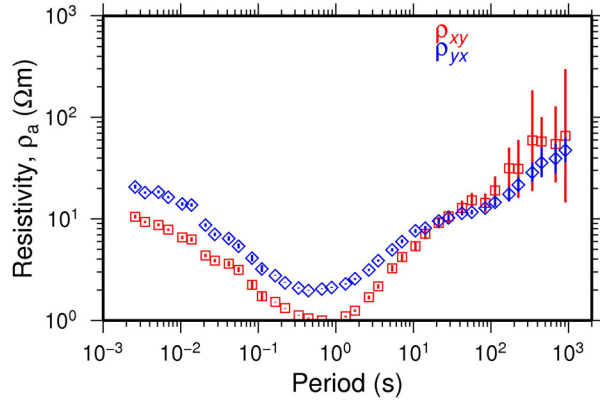
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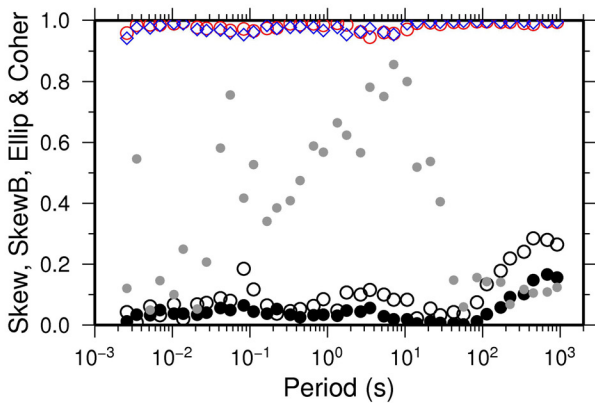
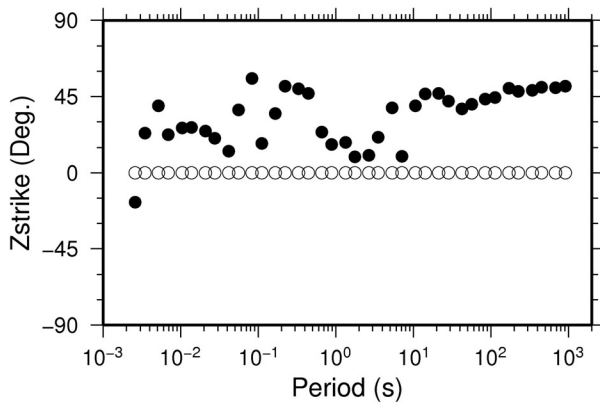
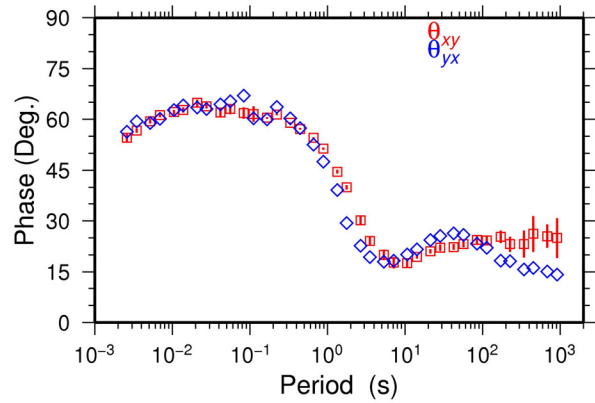
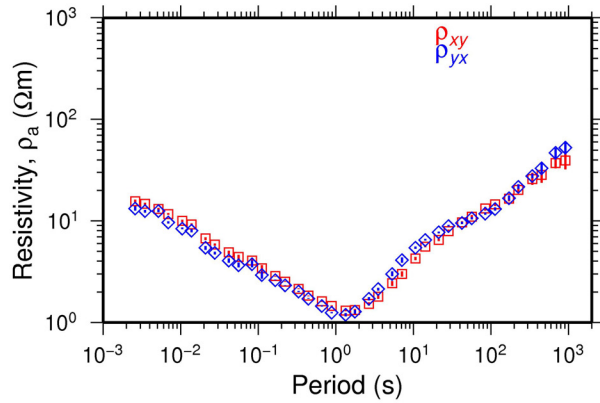
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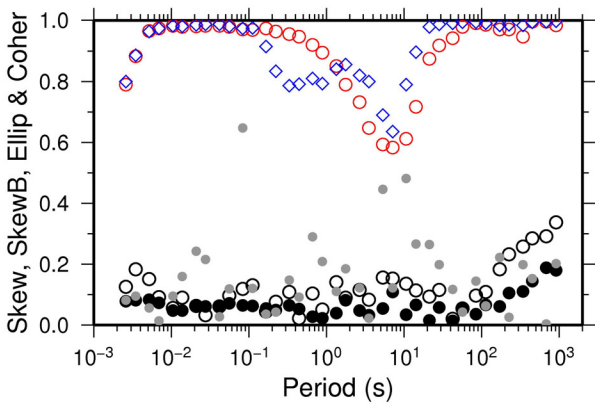
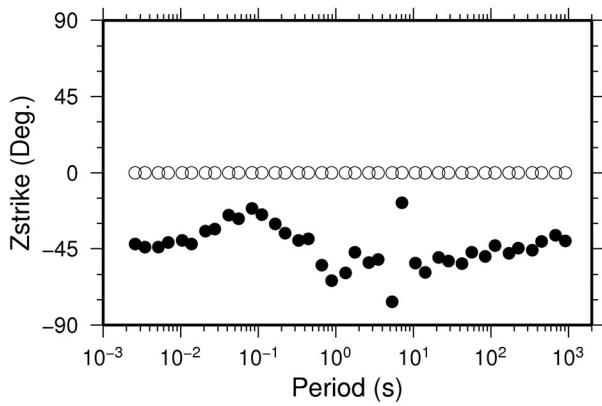
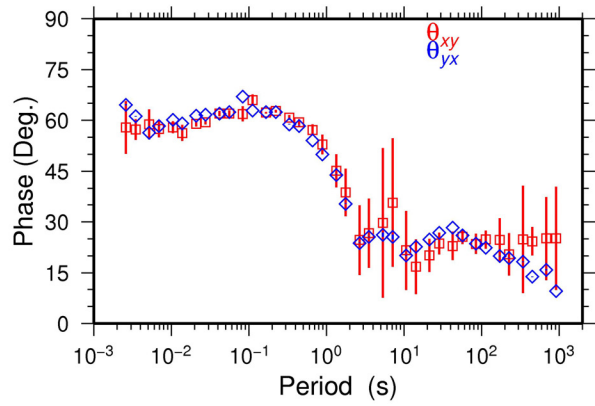
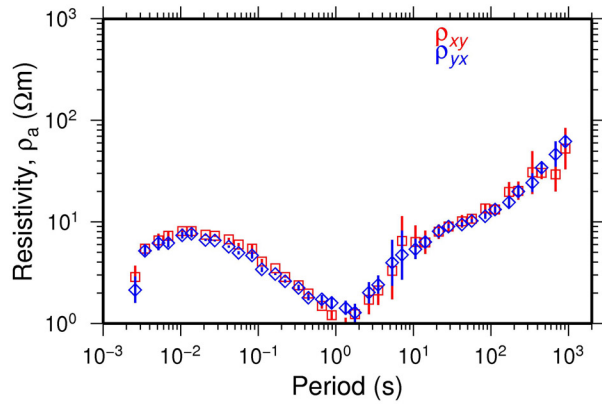
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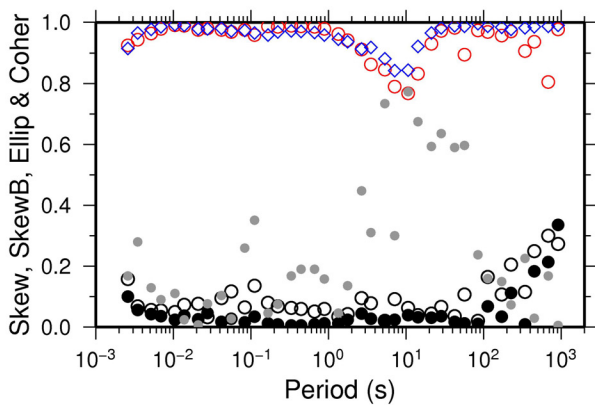
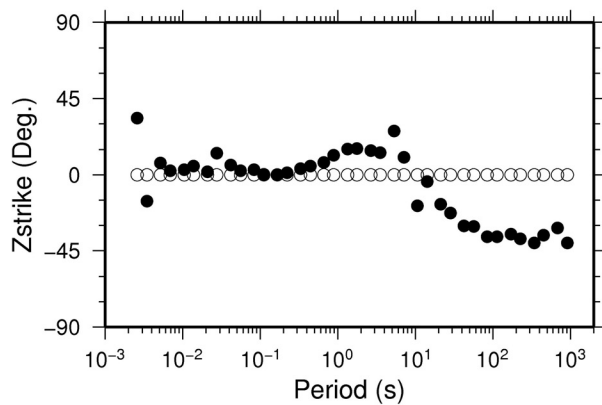
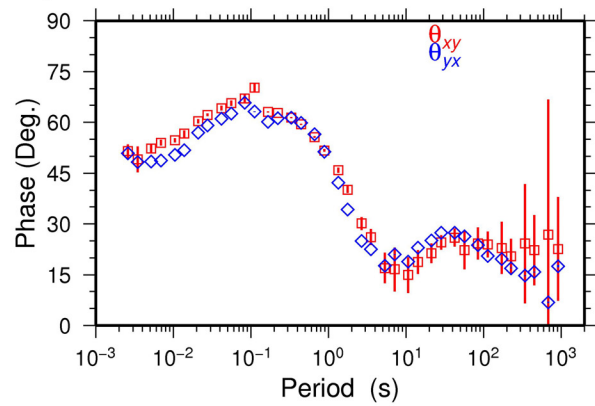
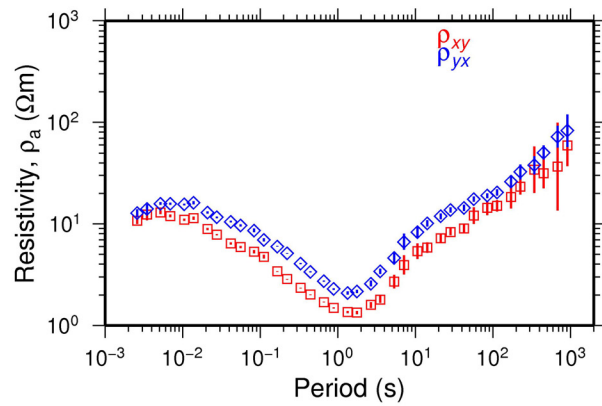
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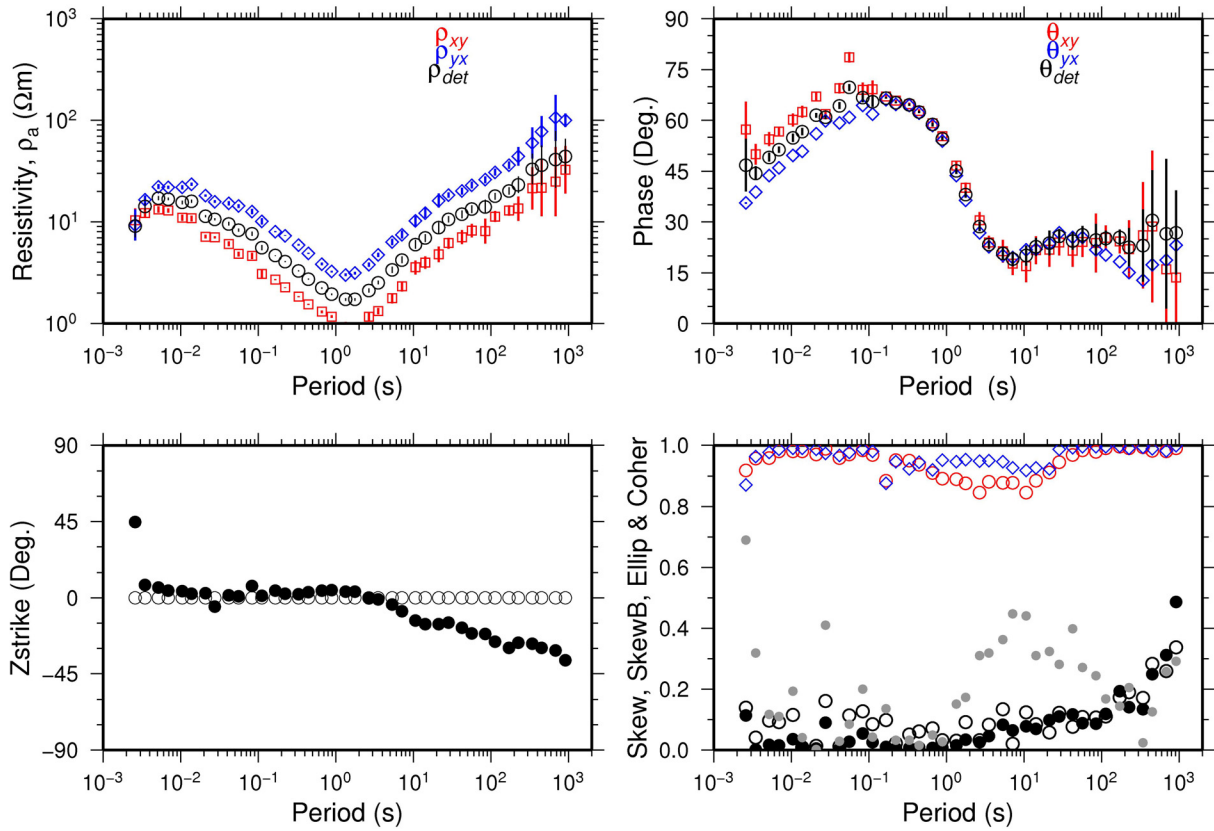
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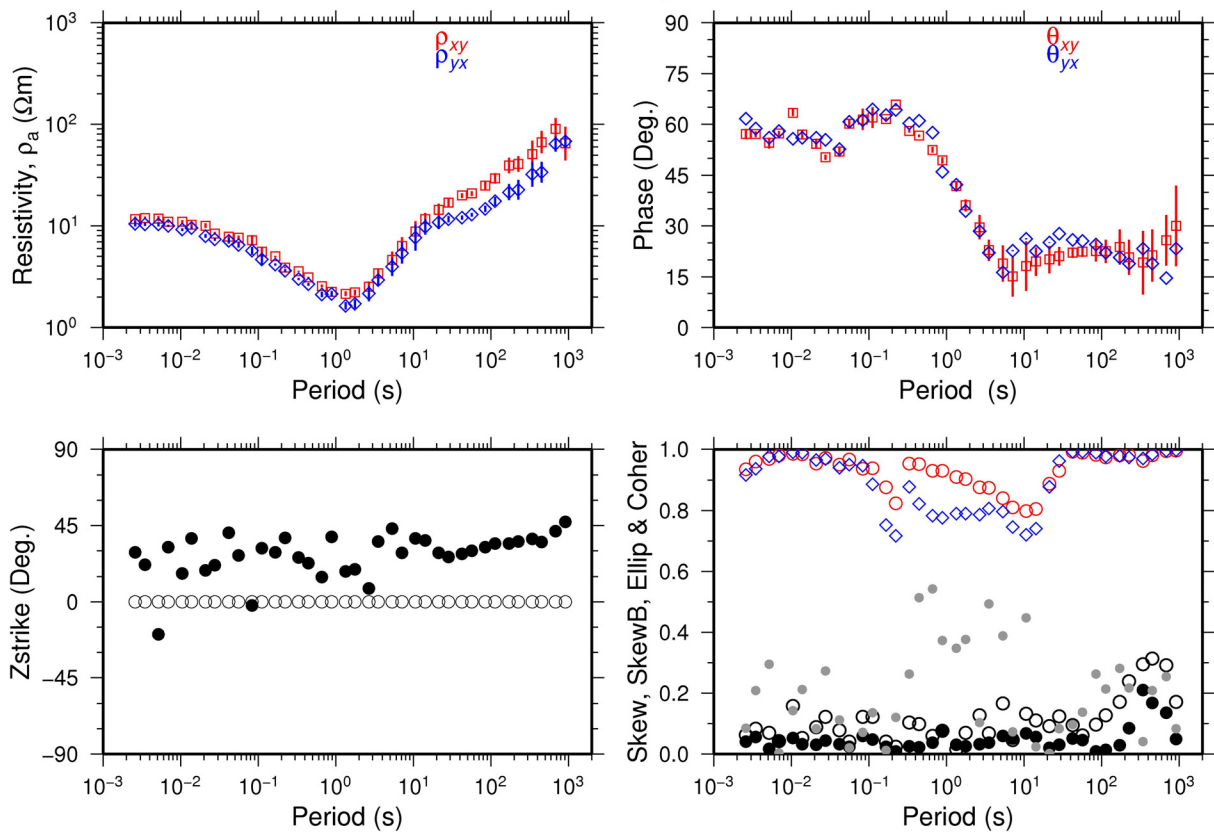
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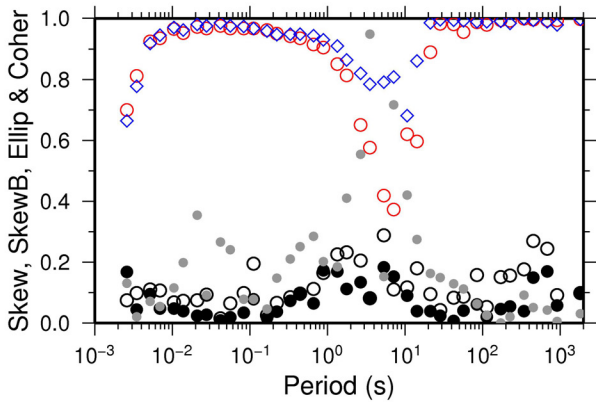
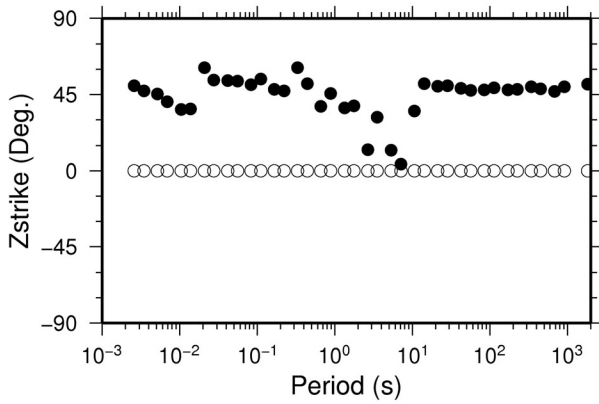
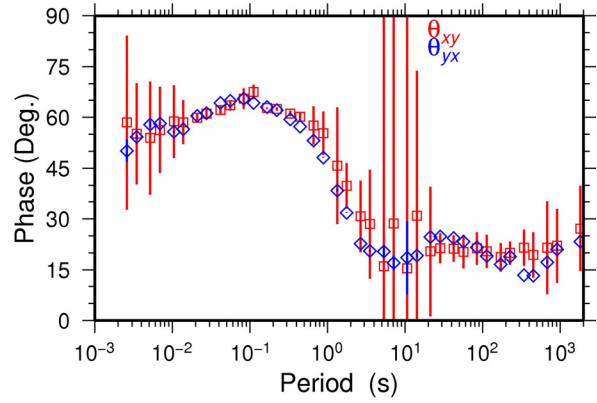
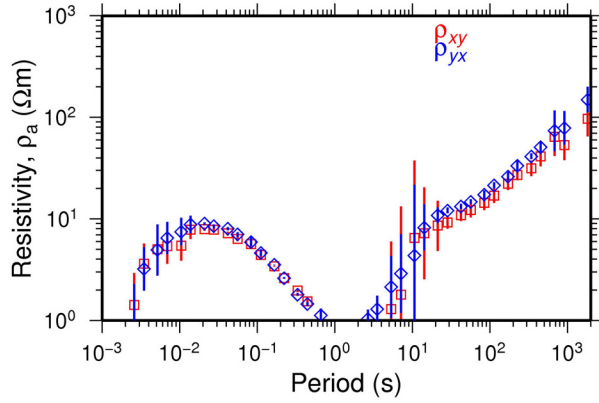
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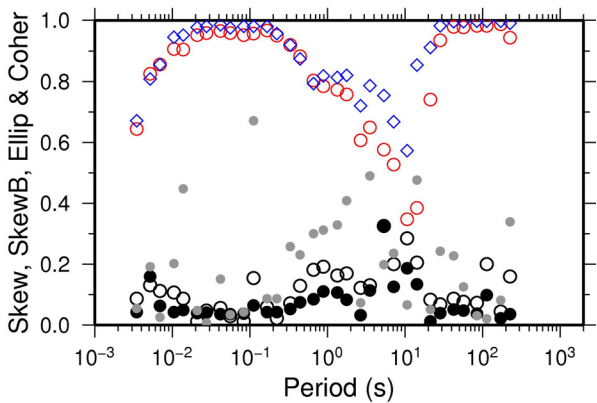
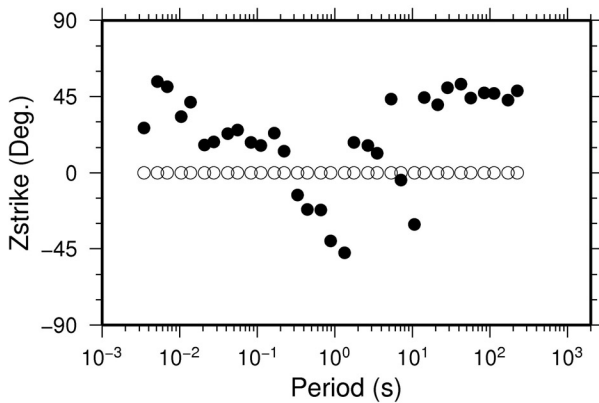
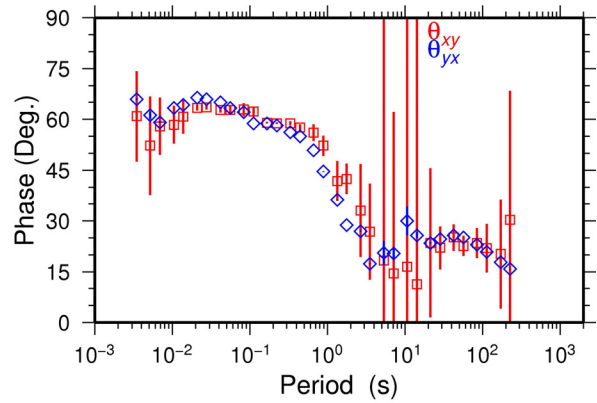
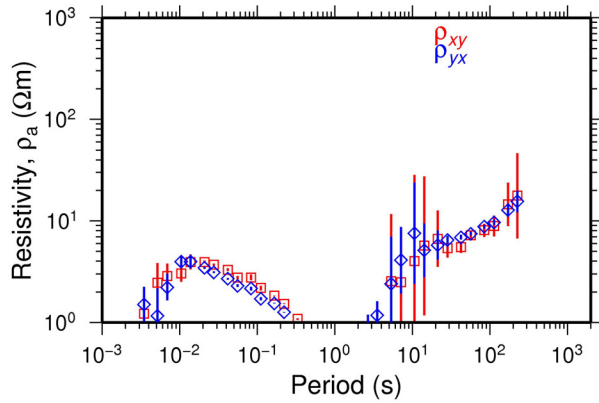
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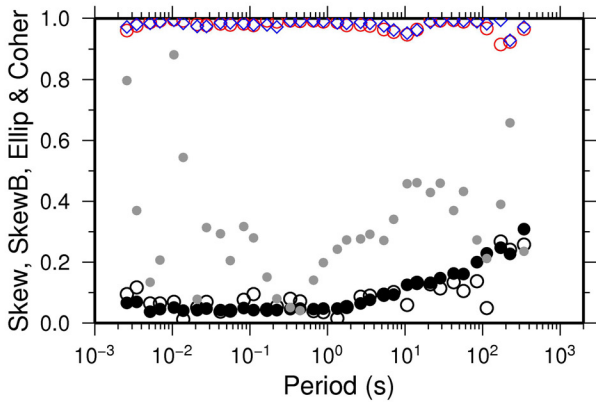
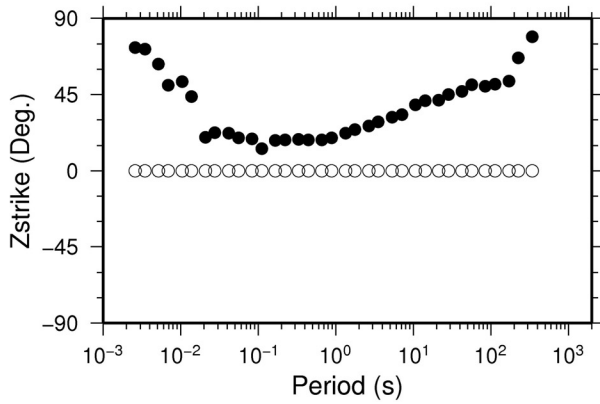
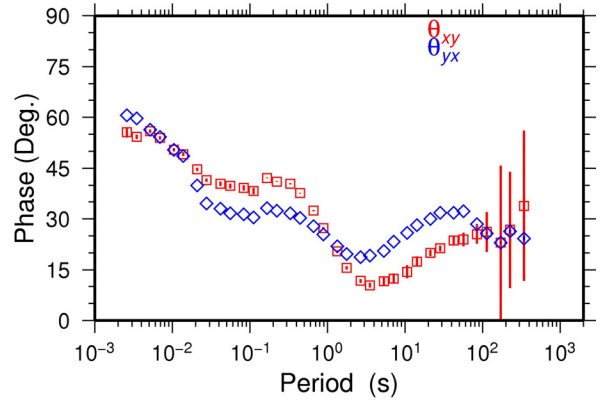
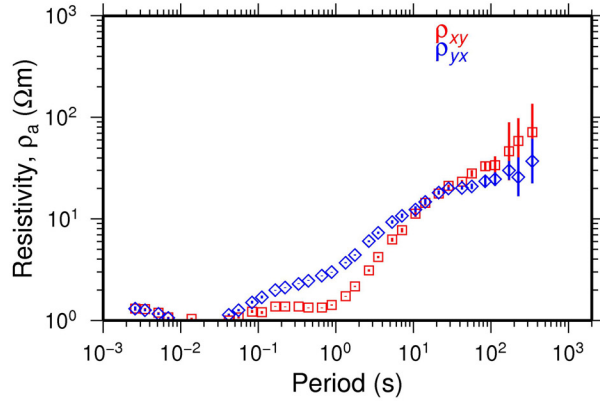
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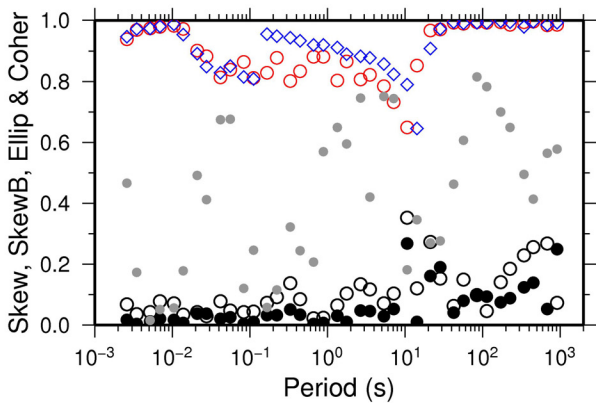
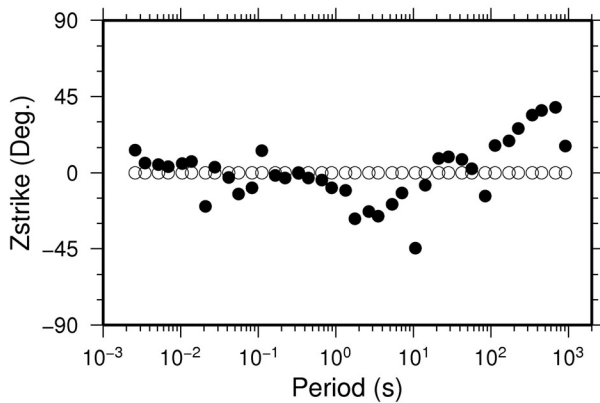
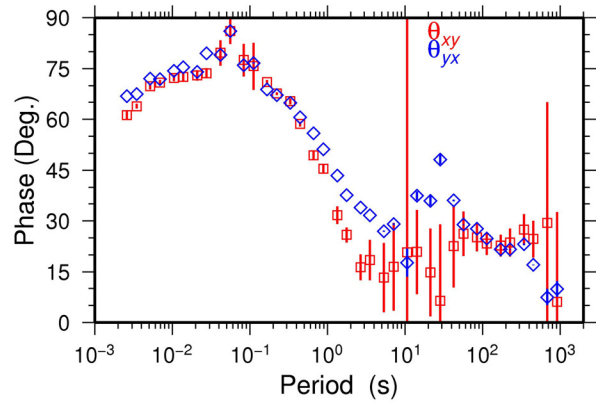
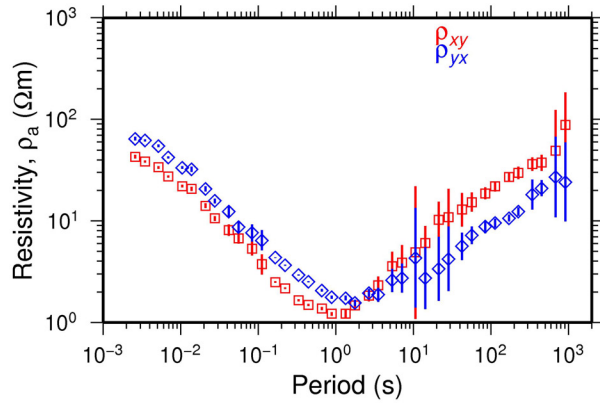
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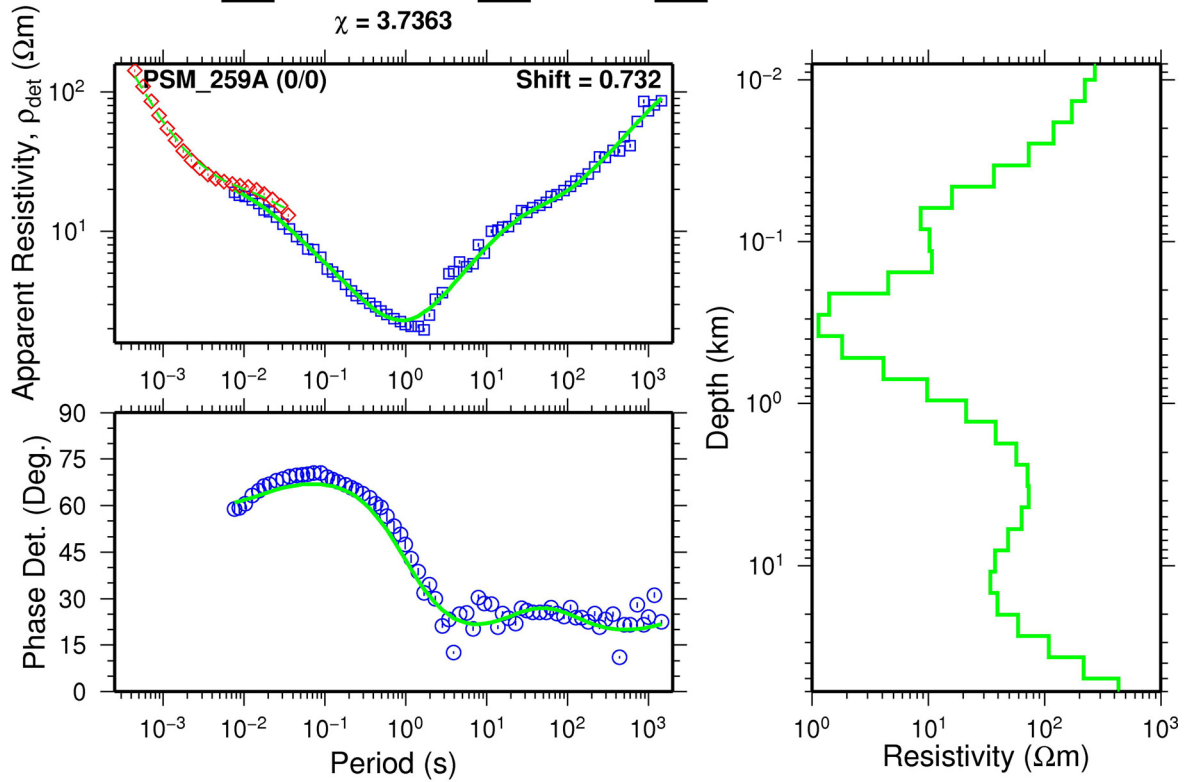
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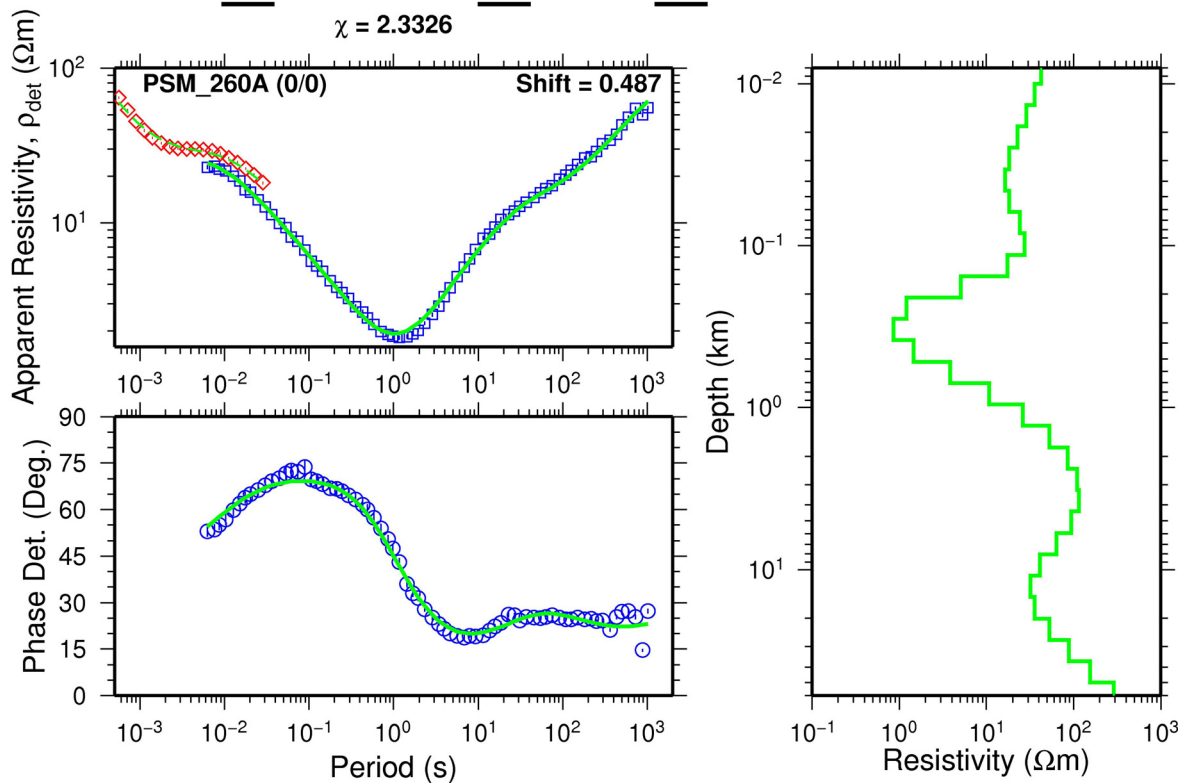


APPENDIX III: 1D models of the joint inversion for all of the TDEM and MT data

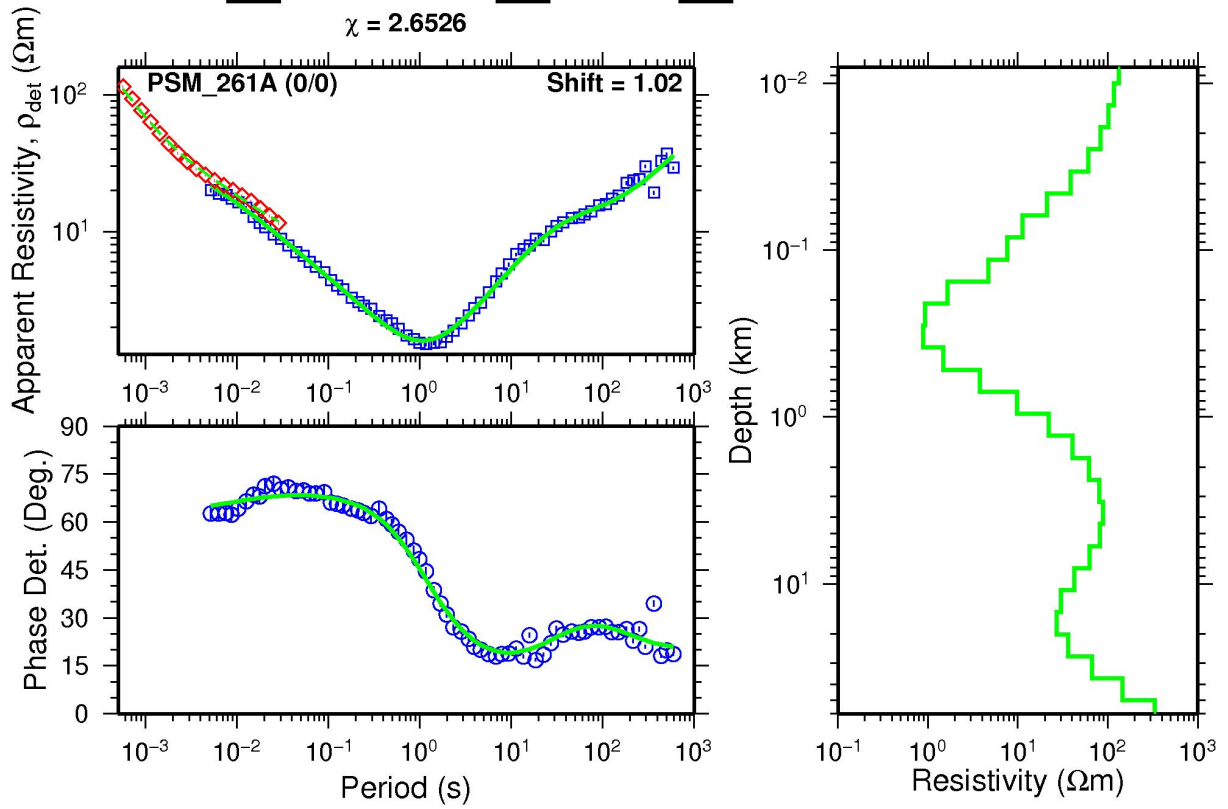
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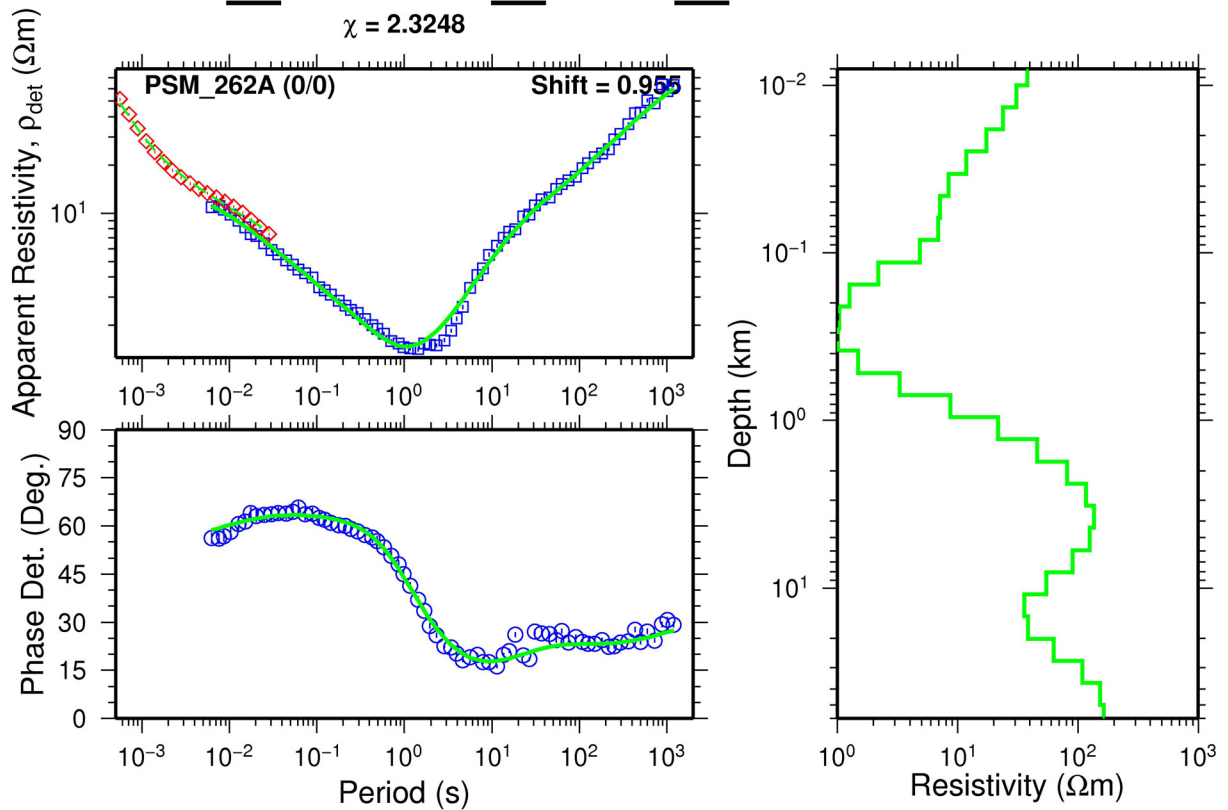
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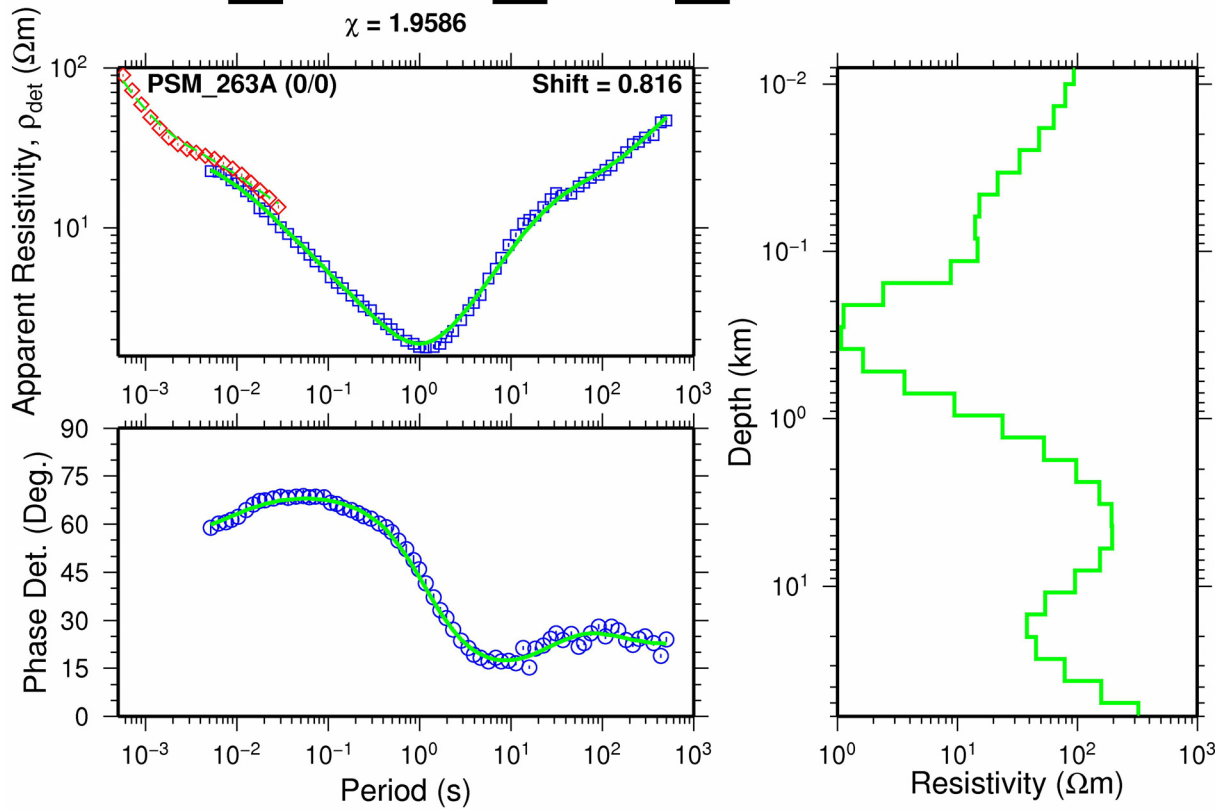
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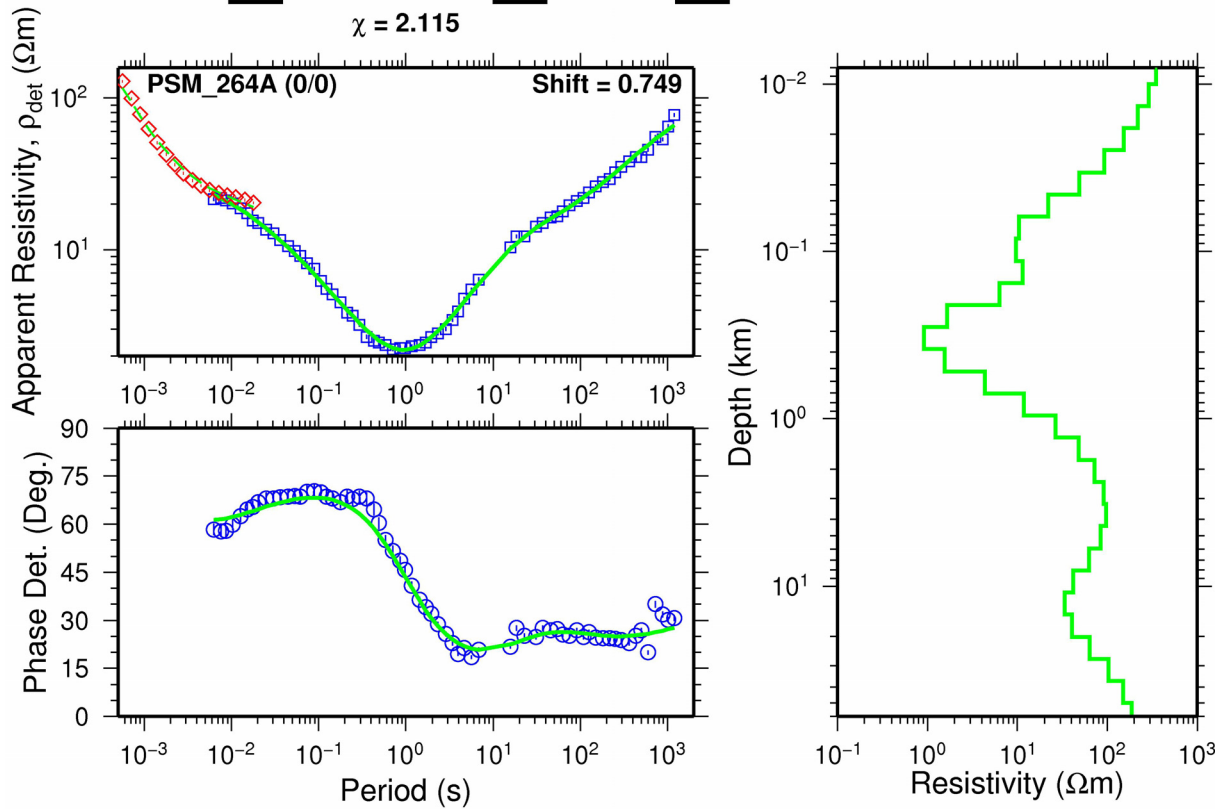
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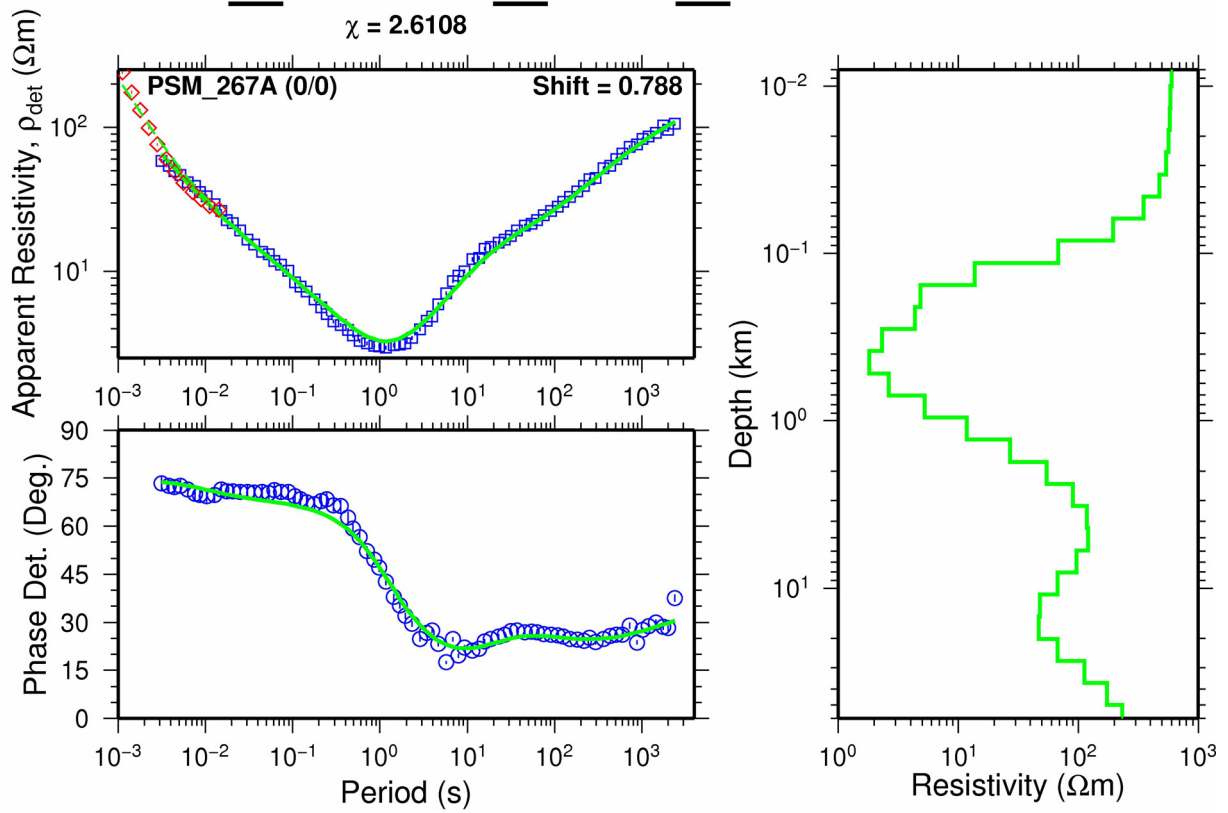
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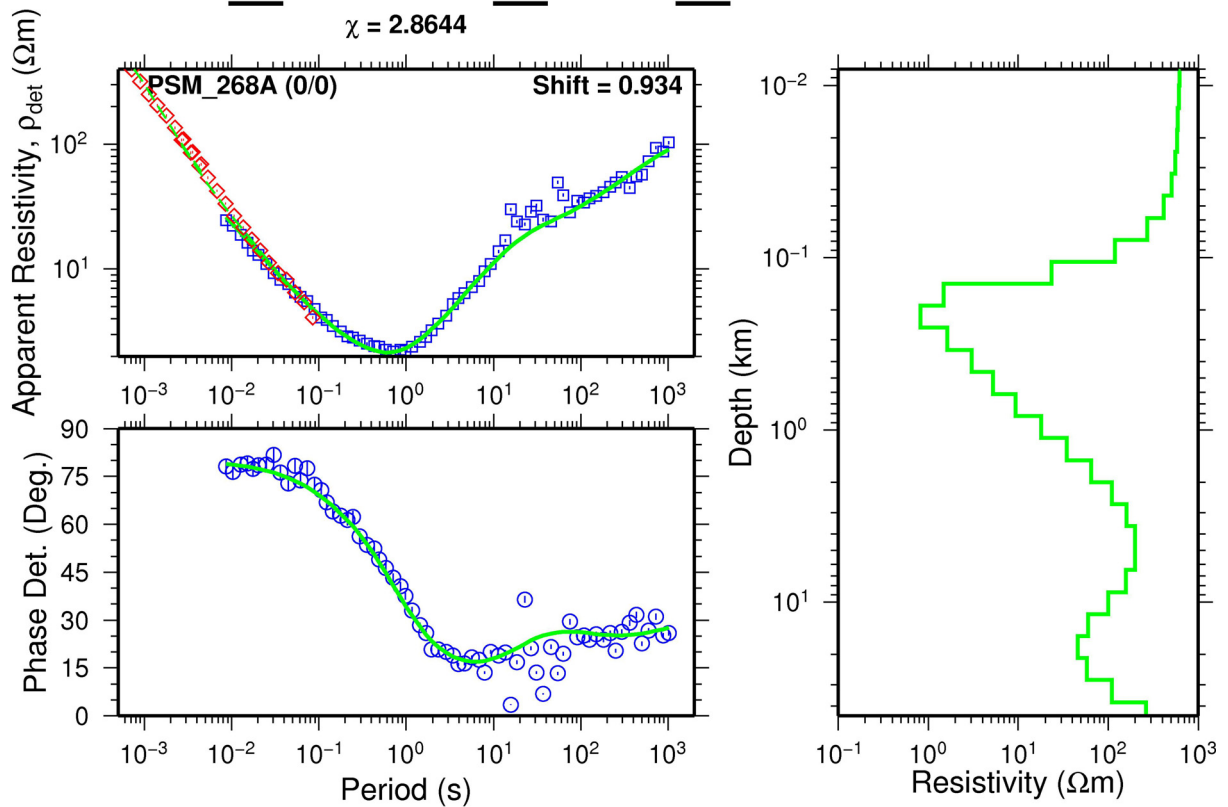
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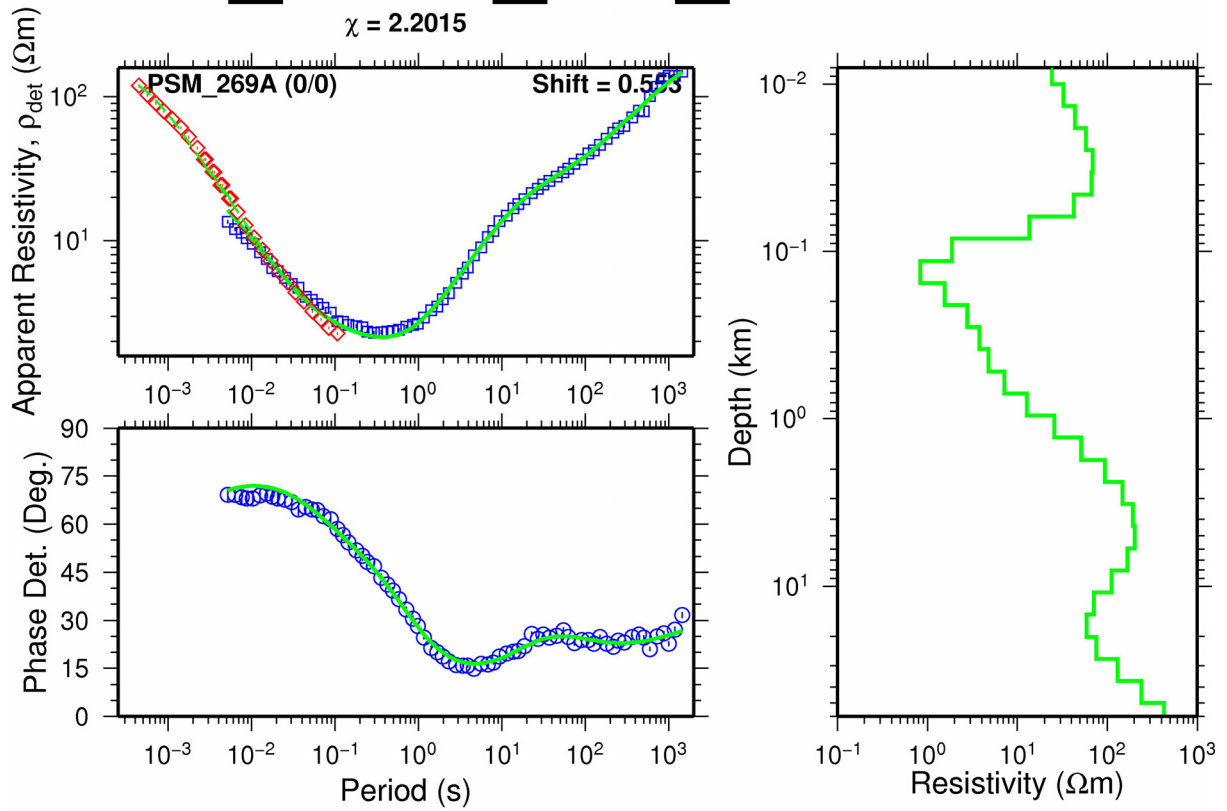
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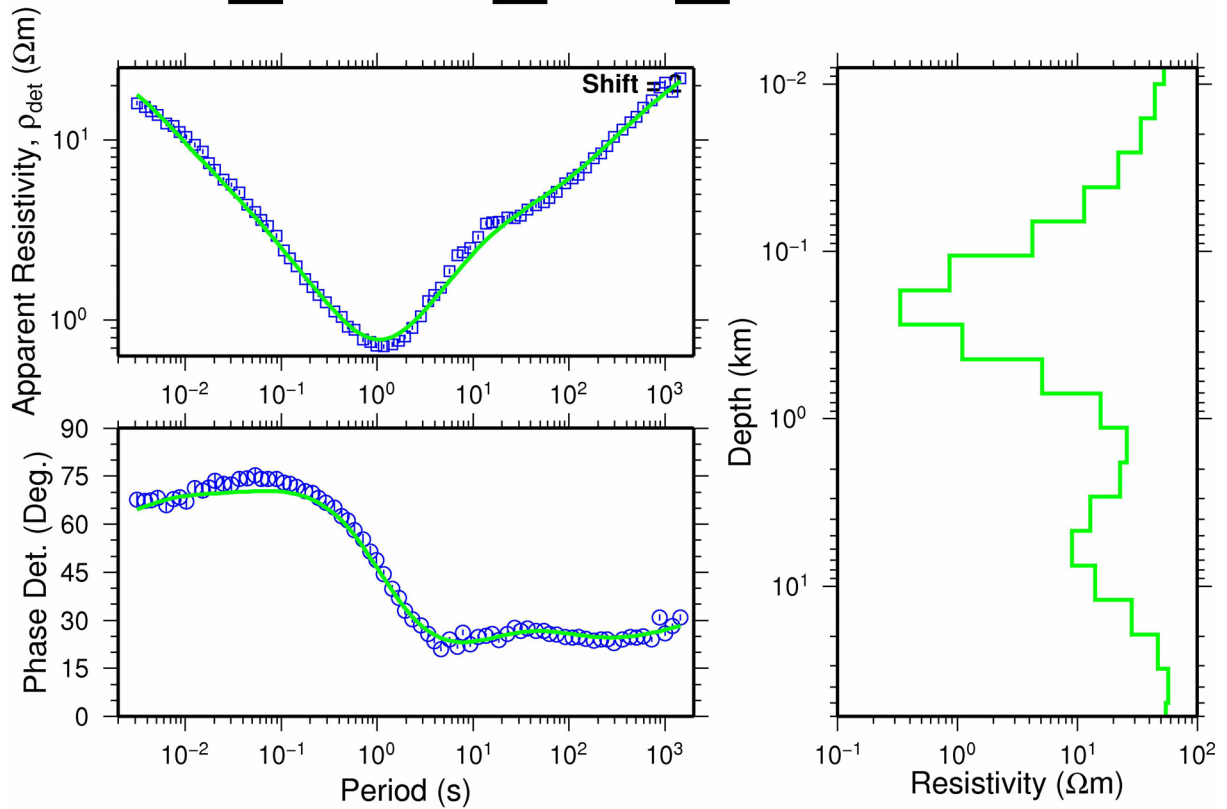
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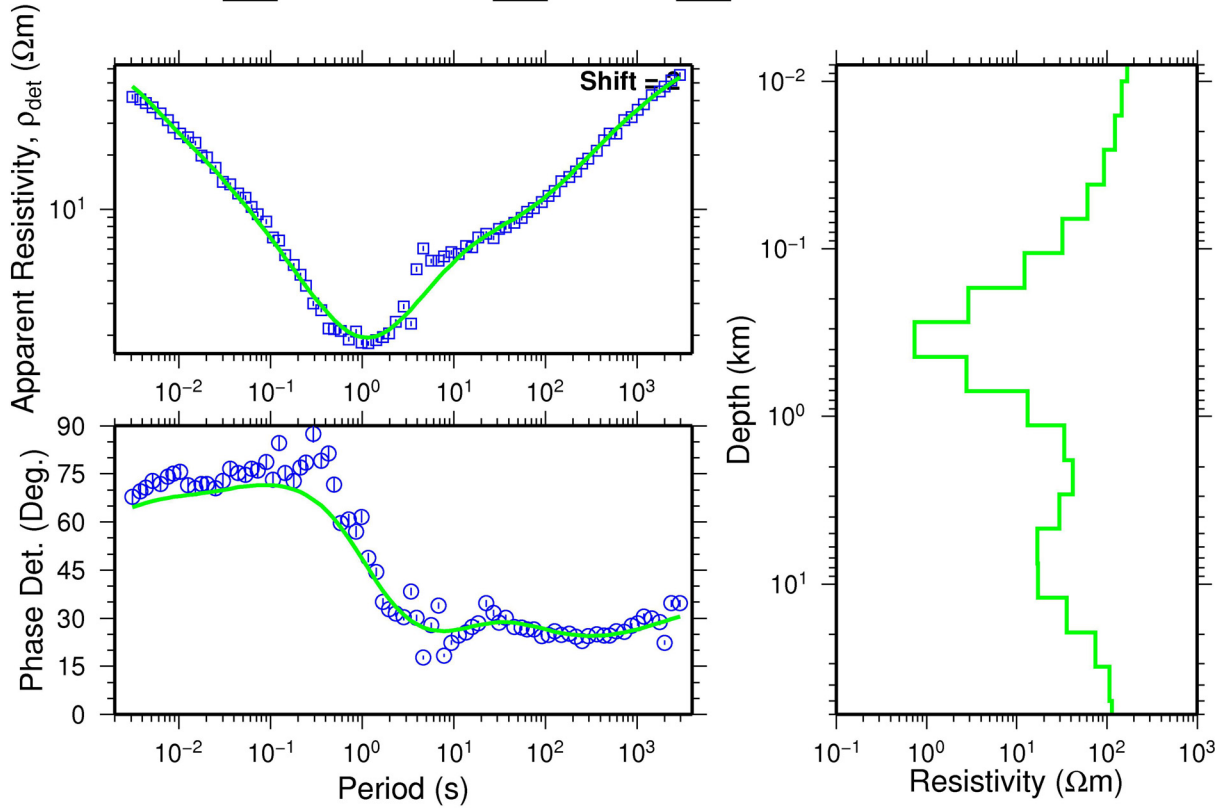
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PSM_270A_MT_0

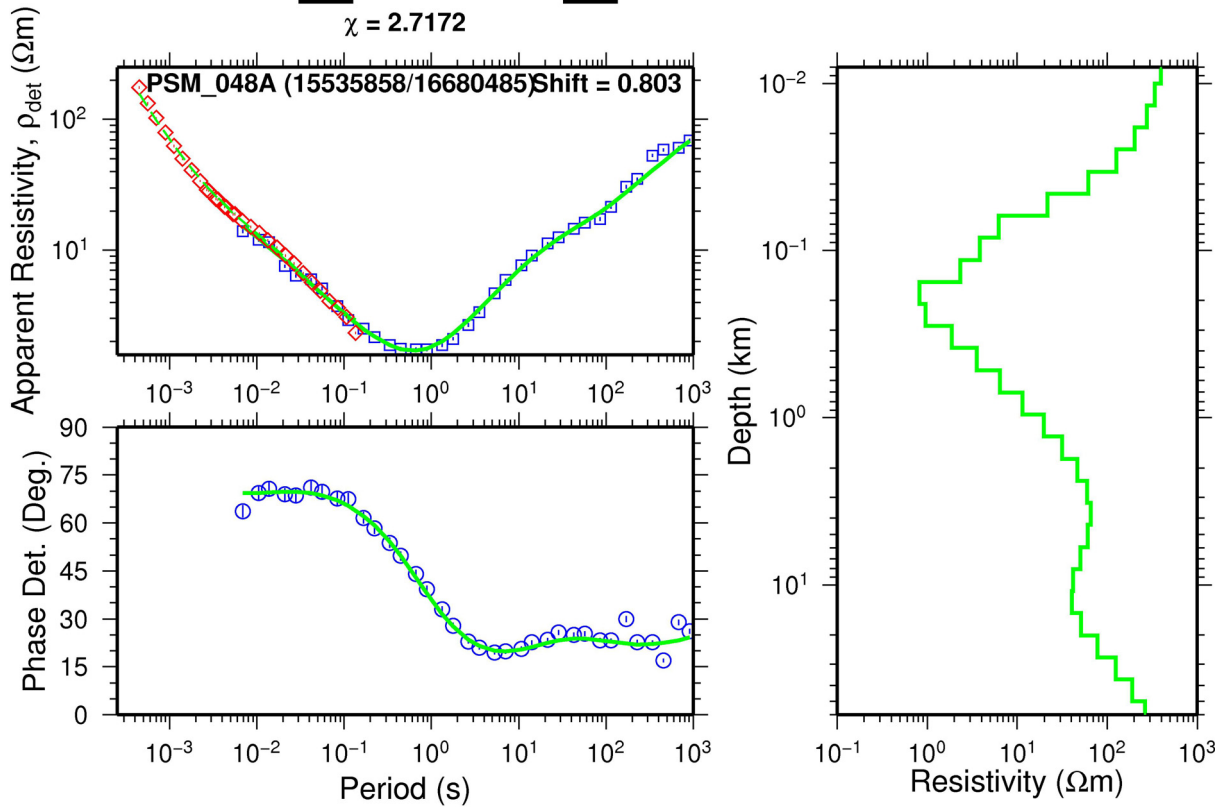


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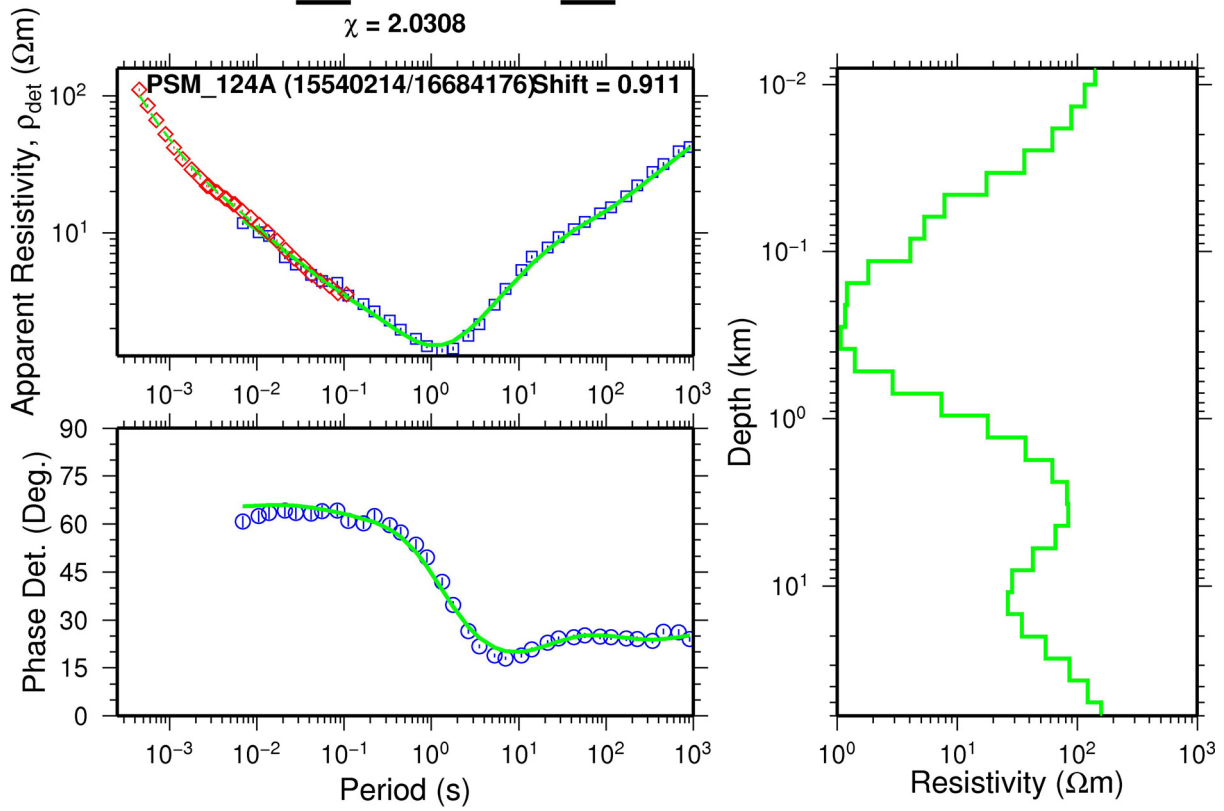
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$\chi = 2.7172$



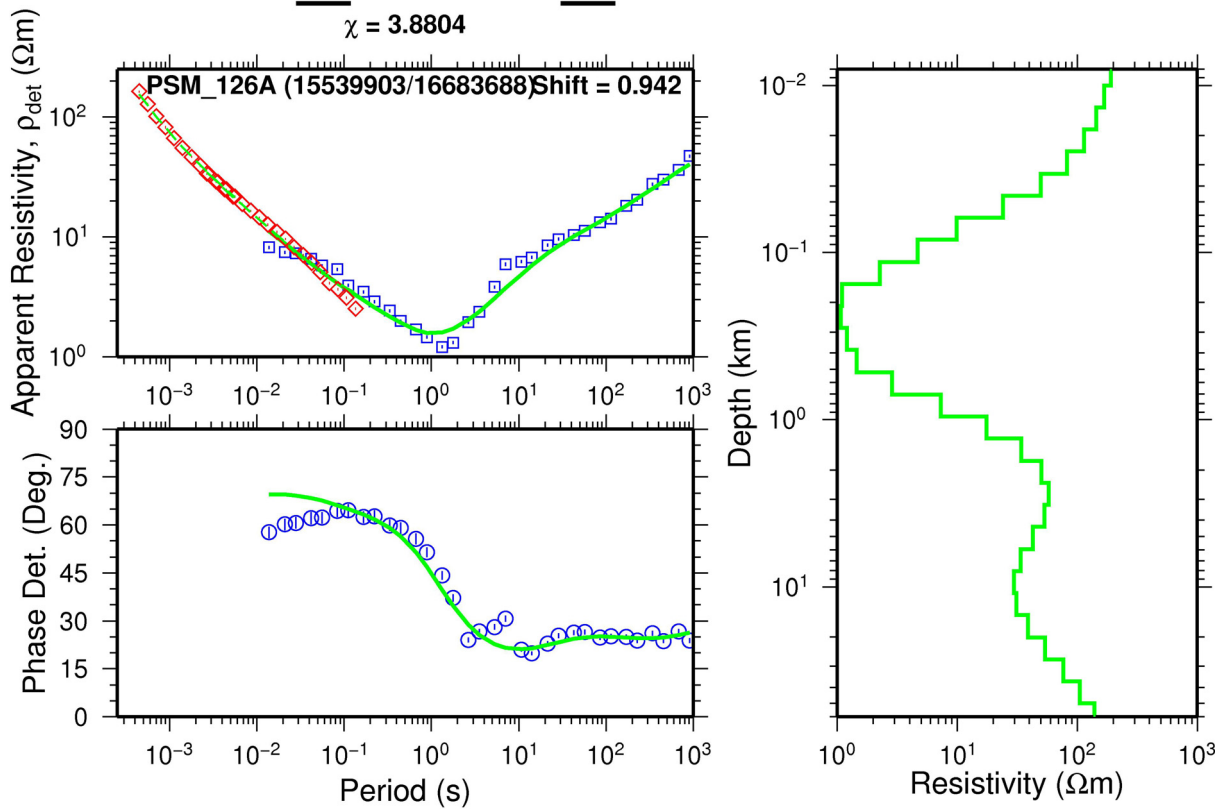
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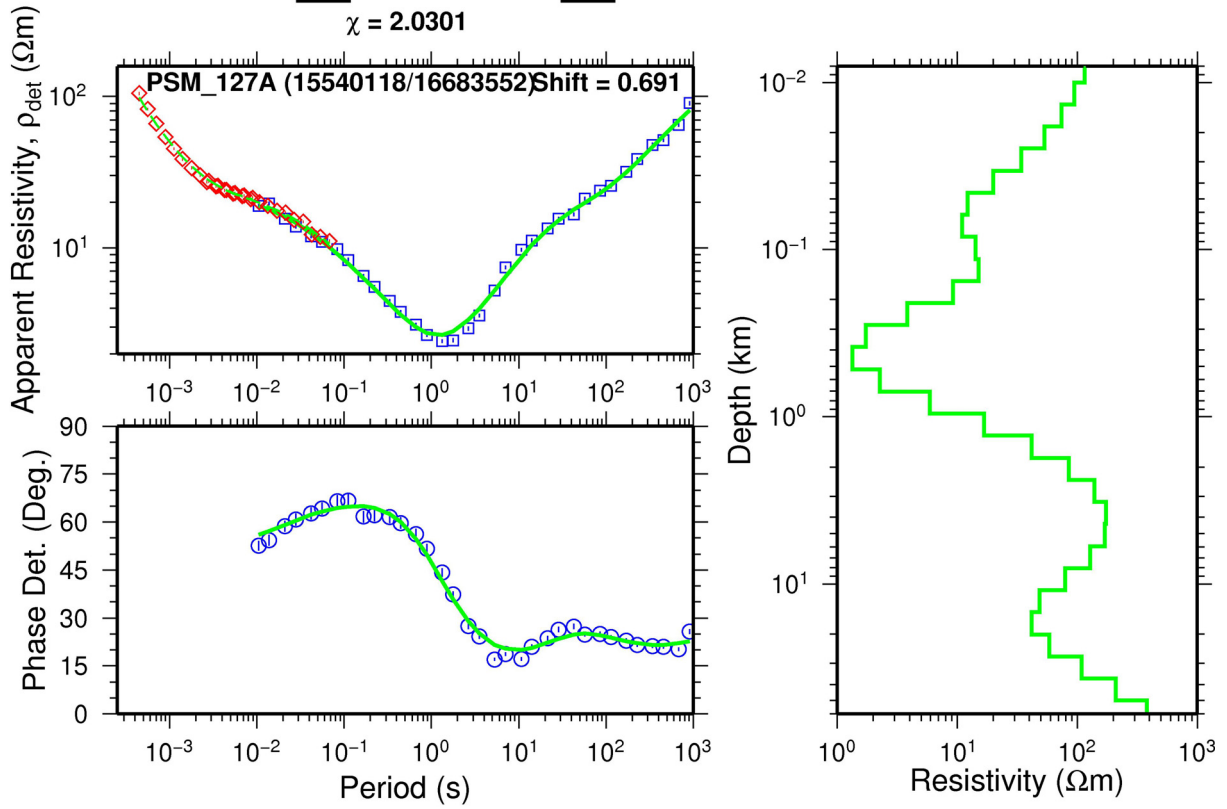
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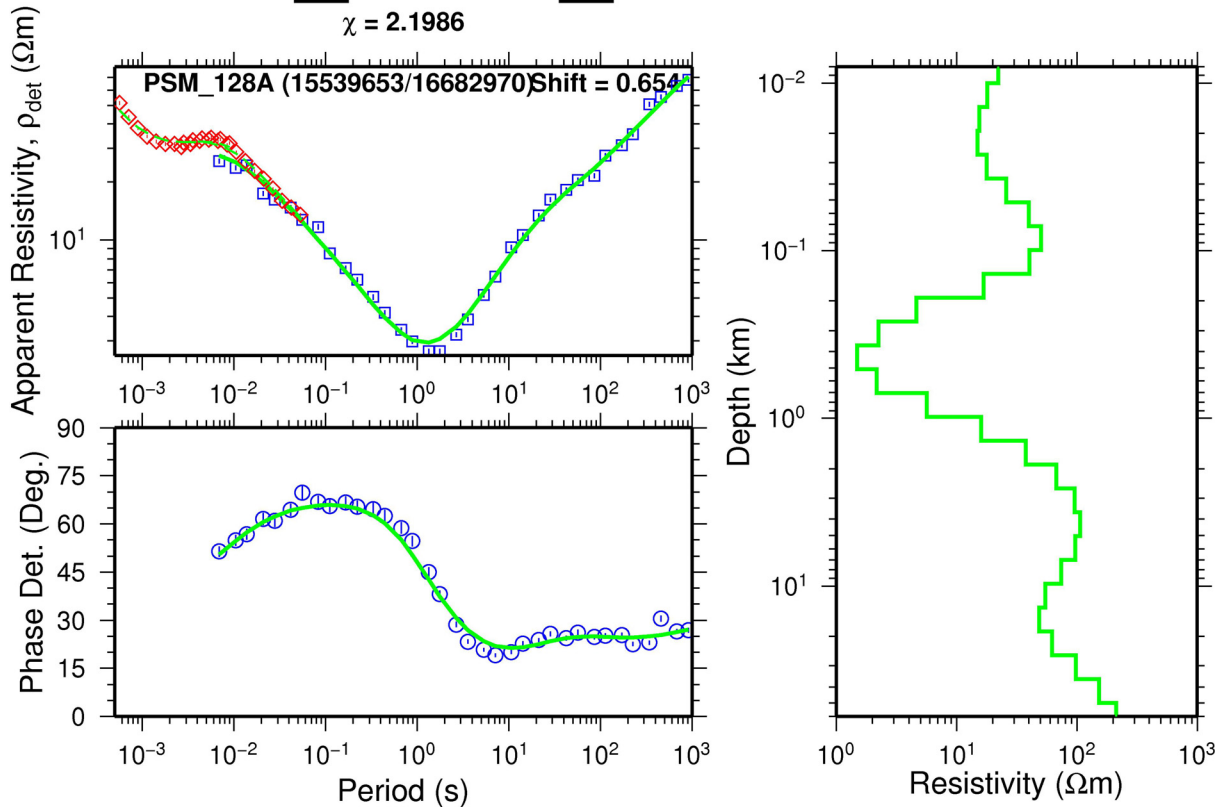
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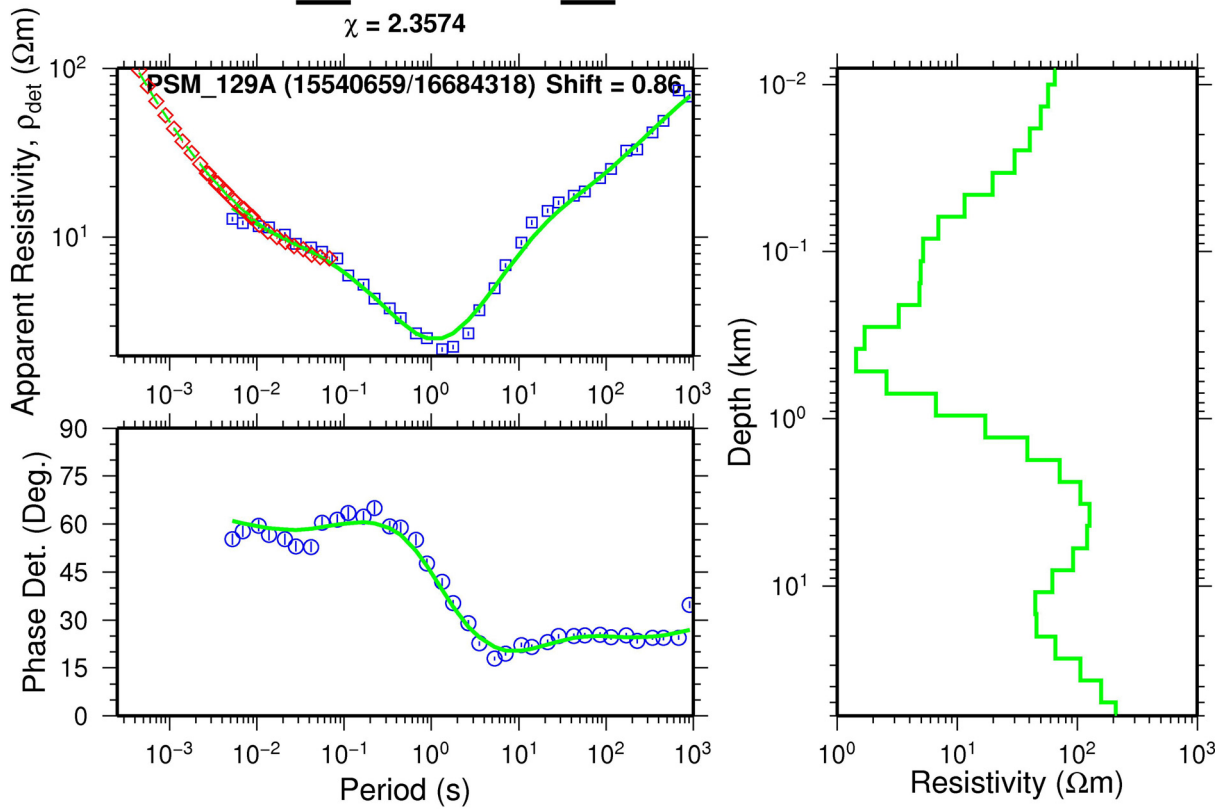
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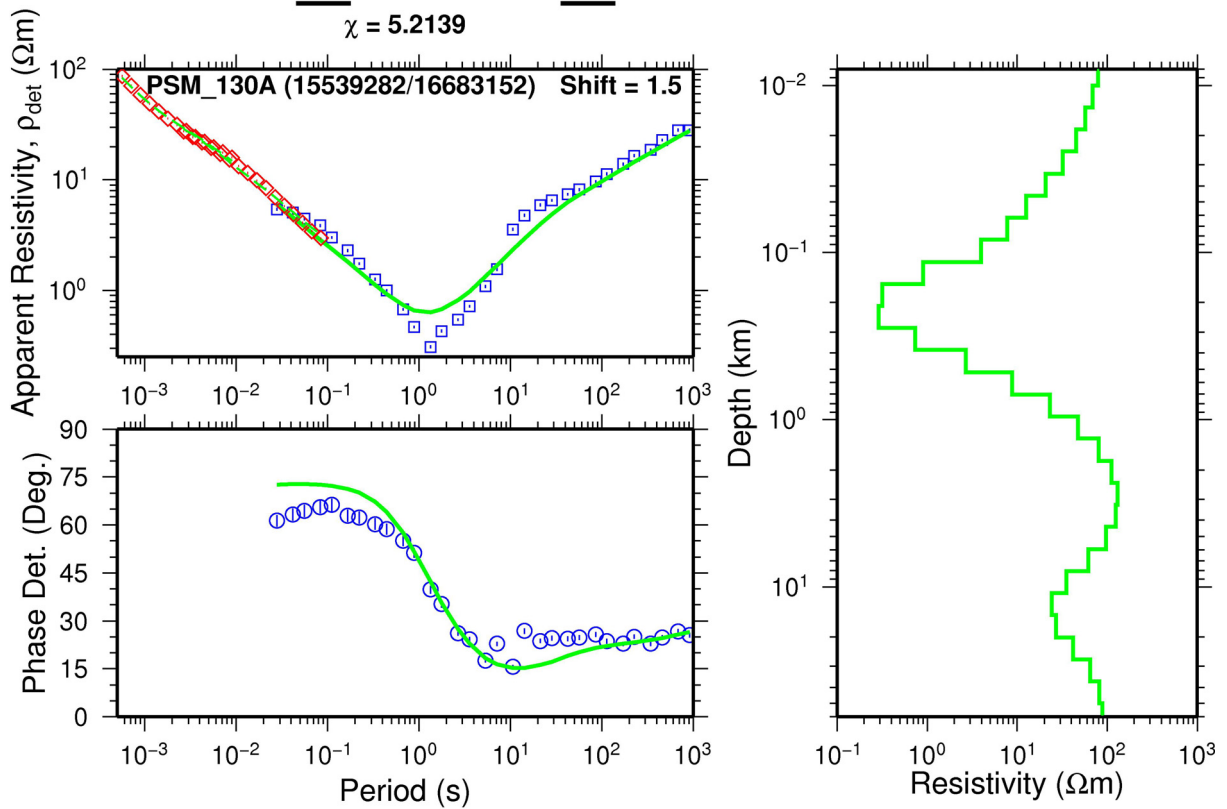
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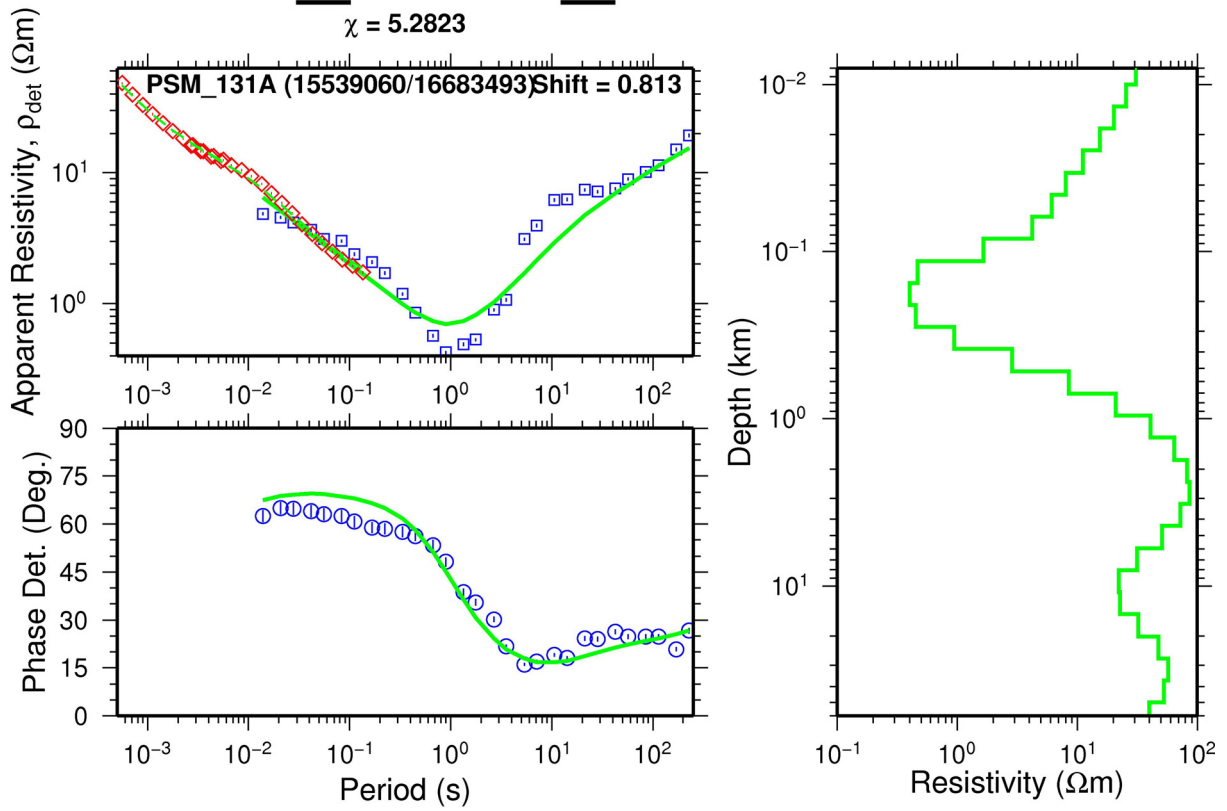
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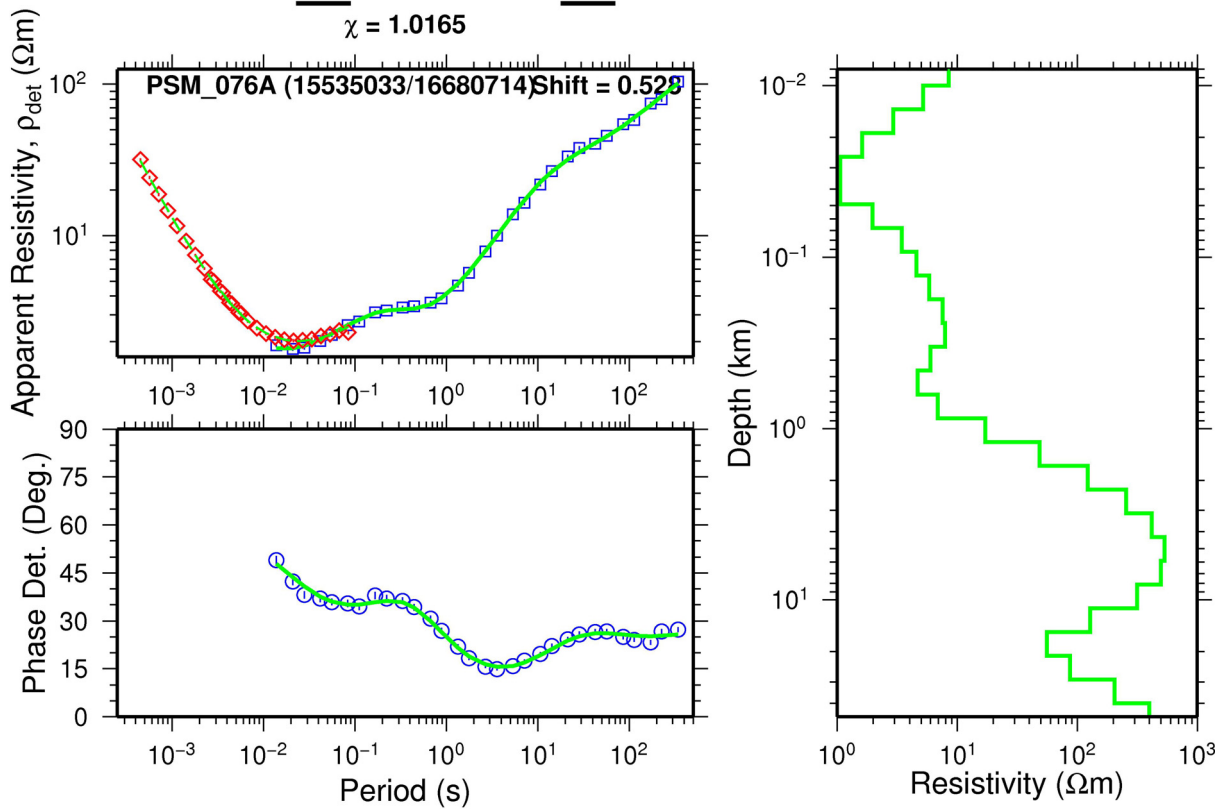
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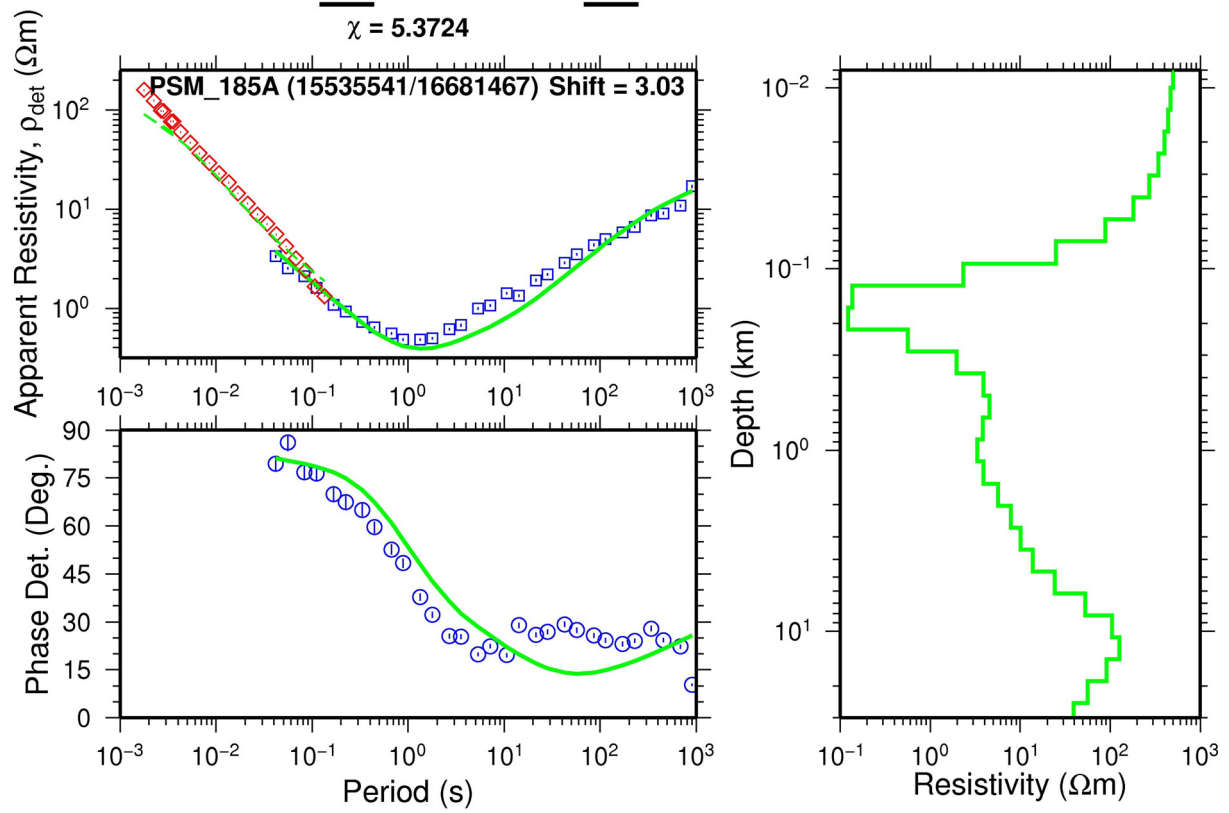
RIP_157A_0

$\chi = 1.0165$



RPN_185A_0

$\chi = 5.3724$



APPENDIX IV: Additional resistivity cross-sections and iso-resistivity maps from Las Pailas geothermal area

TDEM and MT locations Pailas – Santa Maria

