



**UNITED NATIONS  
UNIVERSITY**

GEOTHERMAL TRAINING PROGRAMME  
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Reports 2012  
Number 11

**APPENDIX I TO THE REPORT:  
JOINT 1D INVERSION OF MT AND TEM DATA  
FROM MENENGAI GEOTHERMAL FIELD, KENYA**

by

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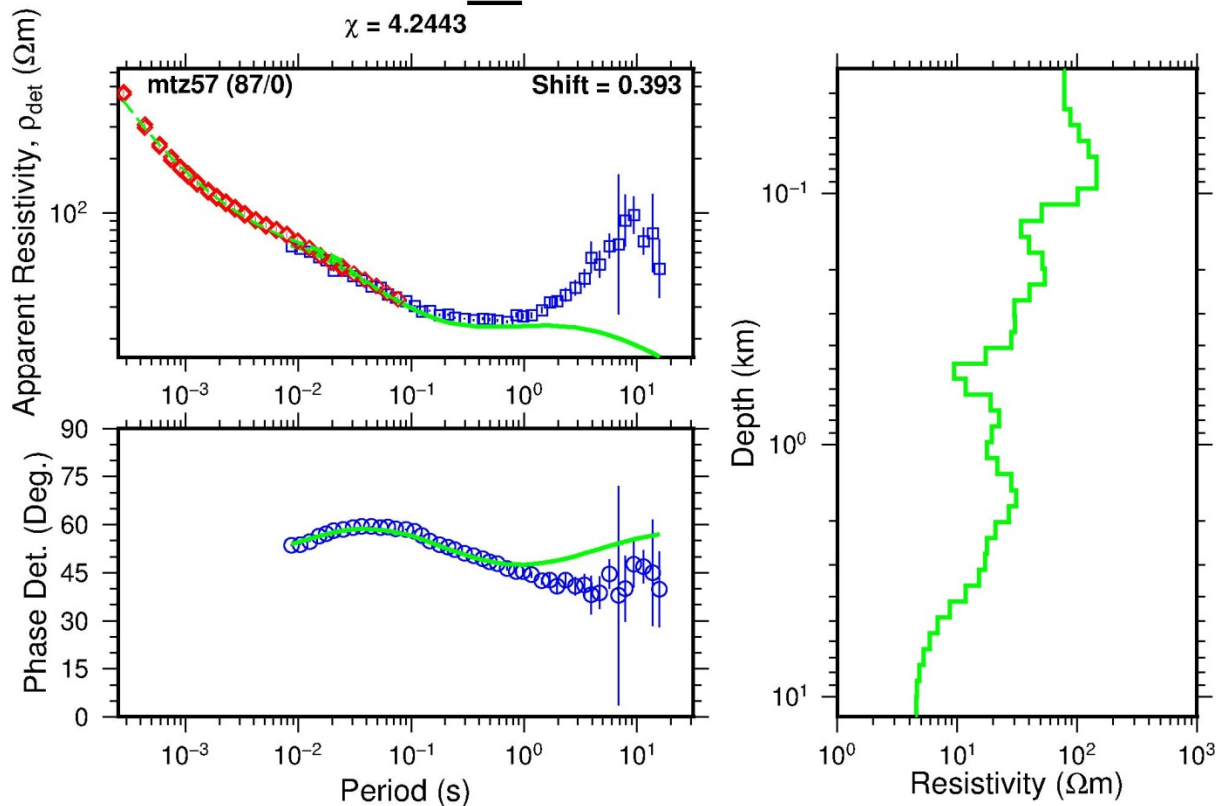
United Nations University  
Geothermal Training Programme  
Reykjavík, Iceland  
Published in 2012

This is Appendix I to the report “*Joint 1D inversion of MT and TEM data from Menengai geothermal field, Kenya*” by Joseph M. Gichira at the UNU Geothermal Training Programme in 2012. The appendix shows the TEM and MT resistivity data from the Menengai geothermal field in Kenya and 1-D joint inversion of the MT and TEM profiles and the corresponding model curves.



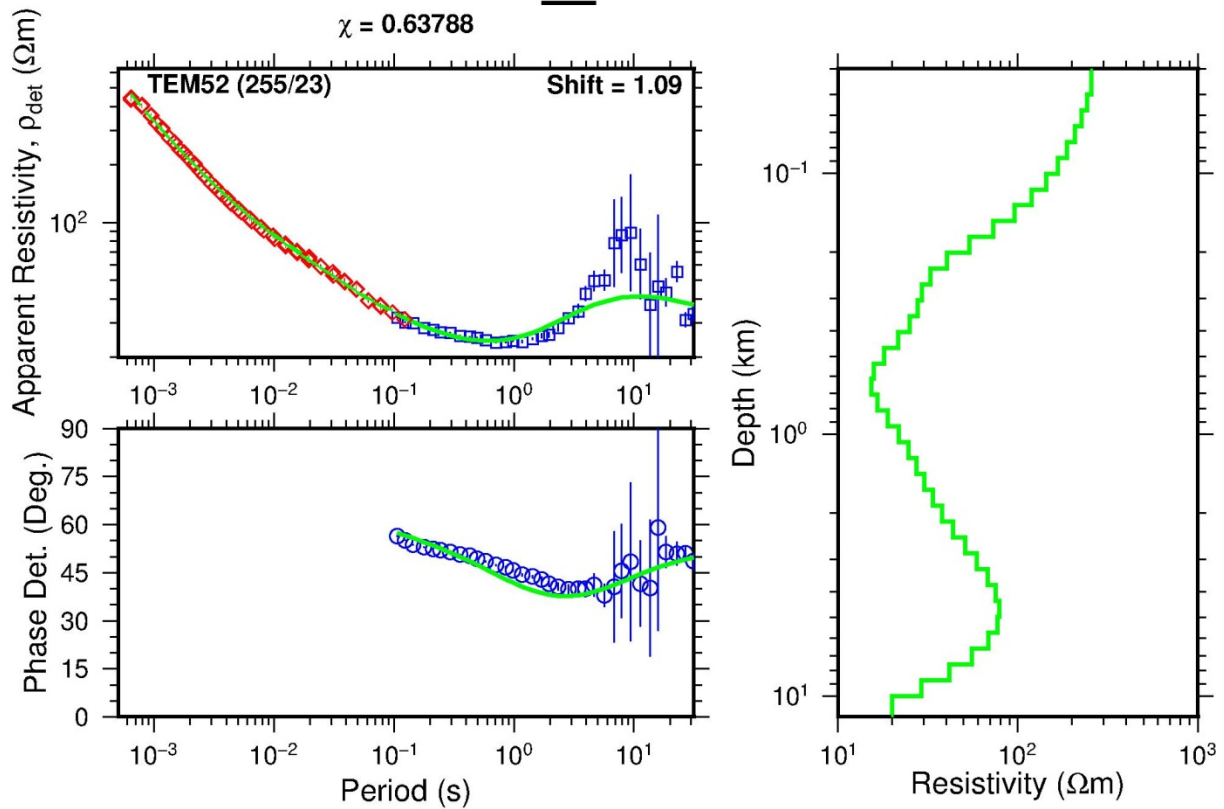
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$\chi = 4.2443$

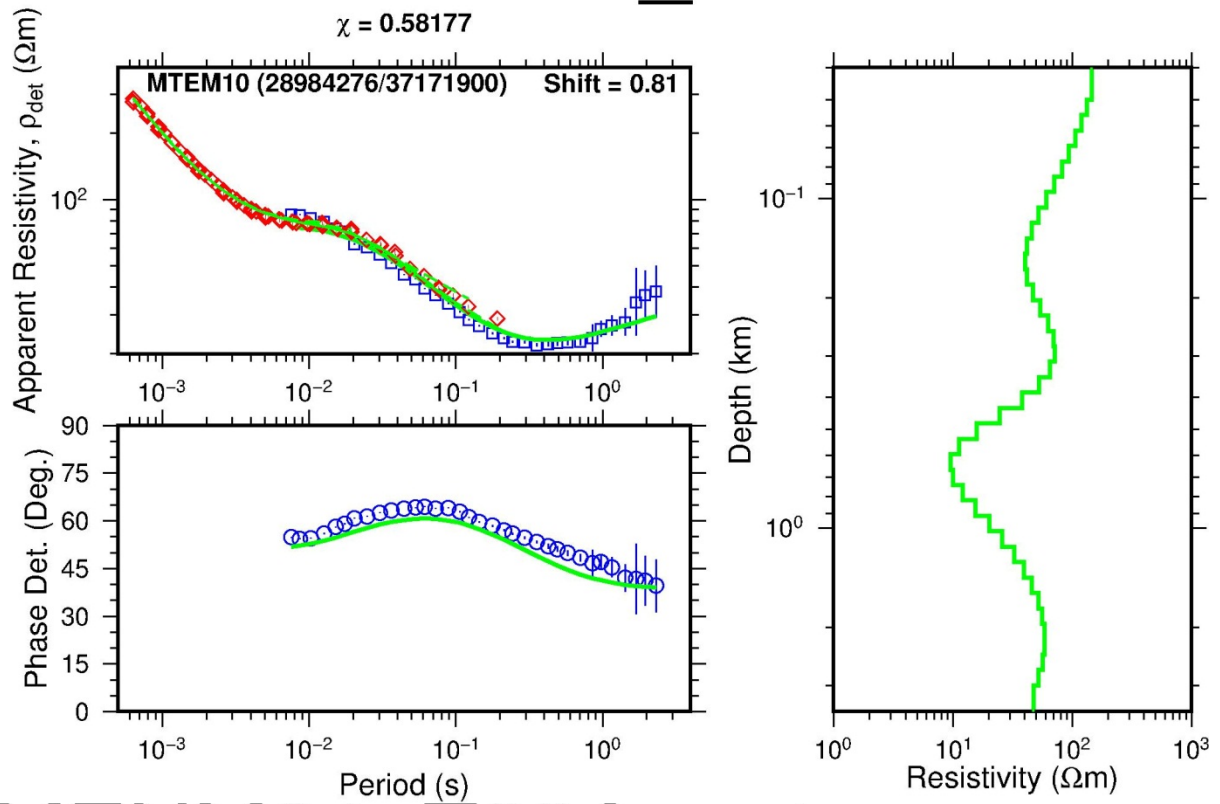


# MENEW20\_out

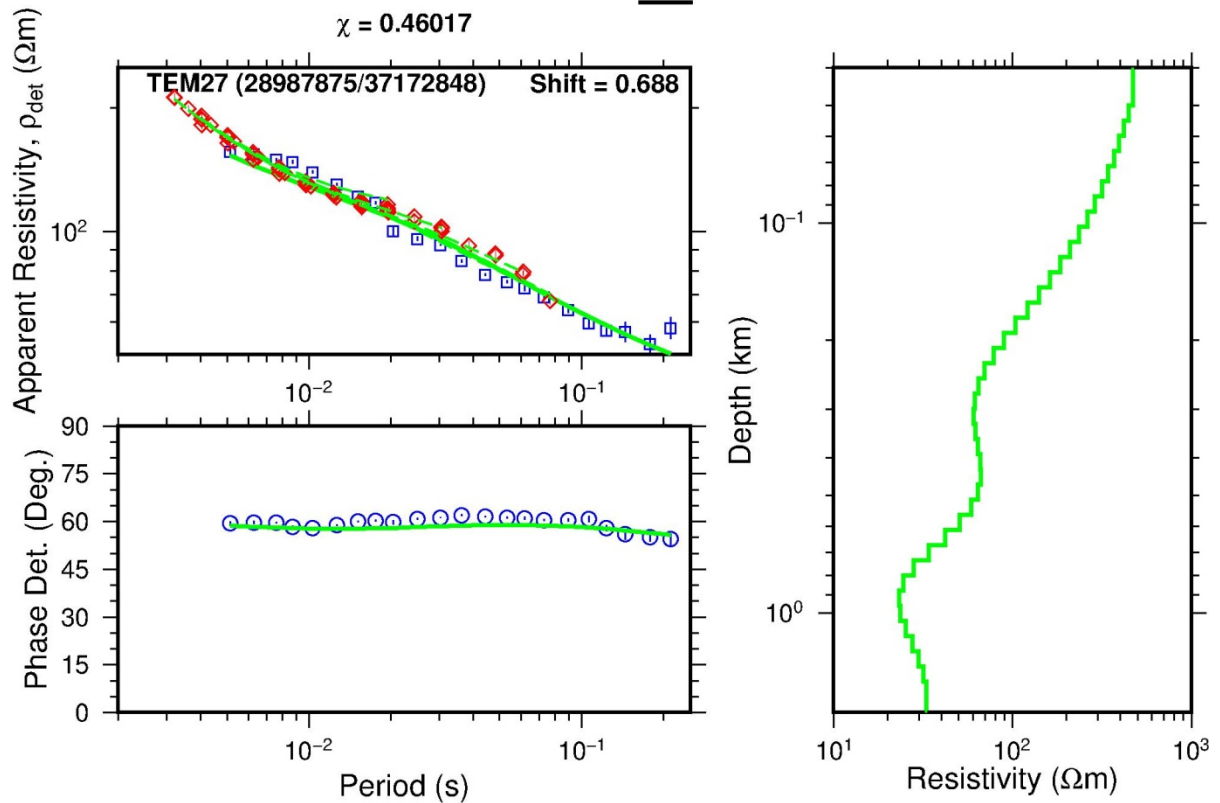
$\chi = 0.63788$



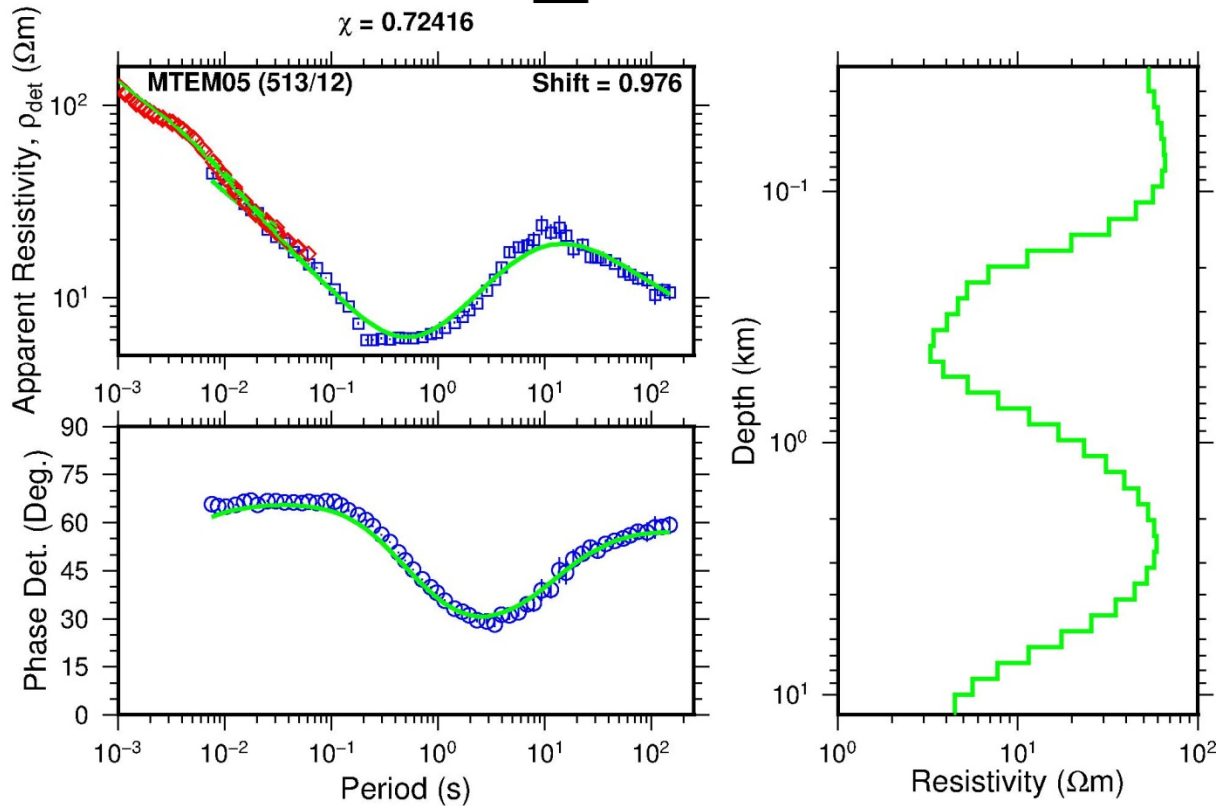
# MENM04-T13A\_out



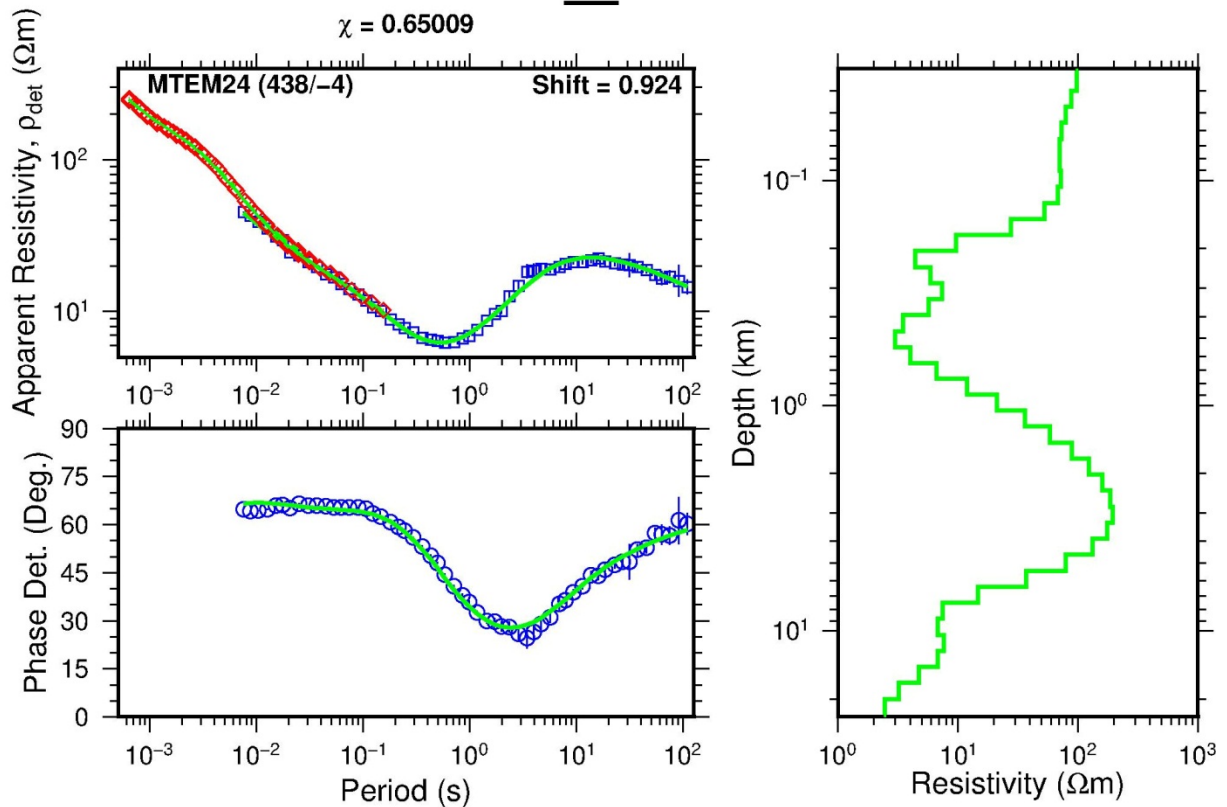
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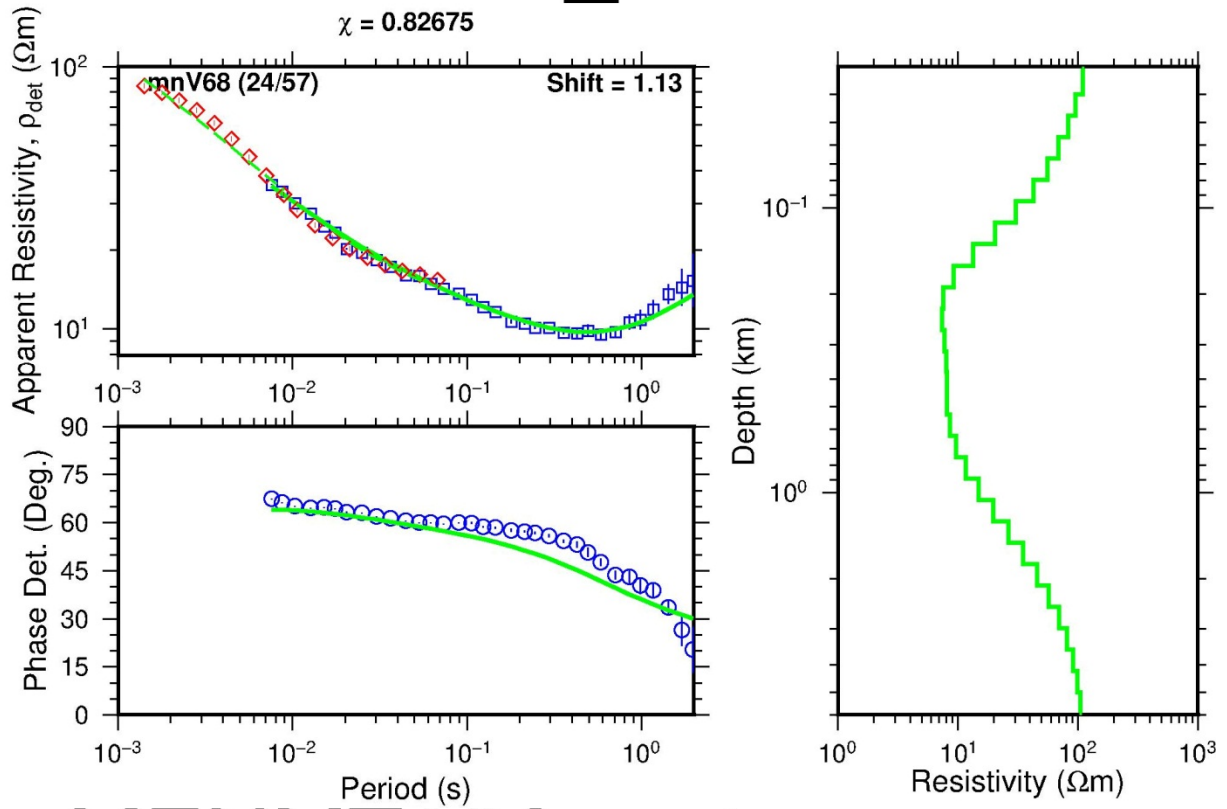
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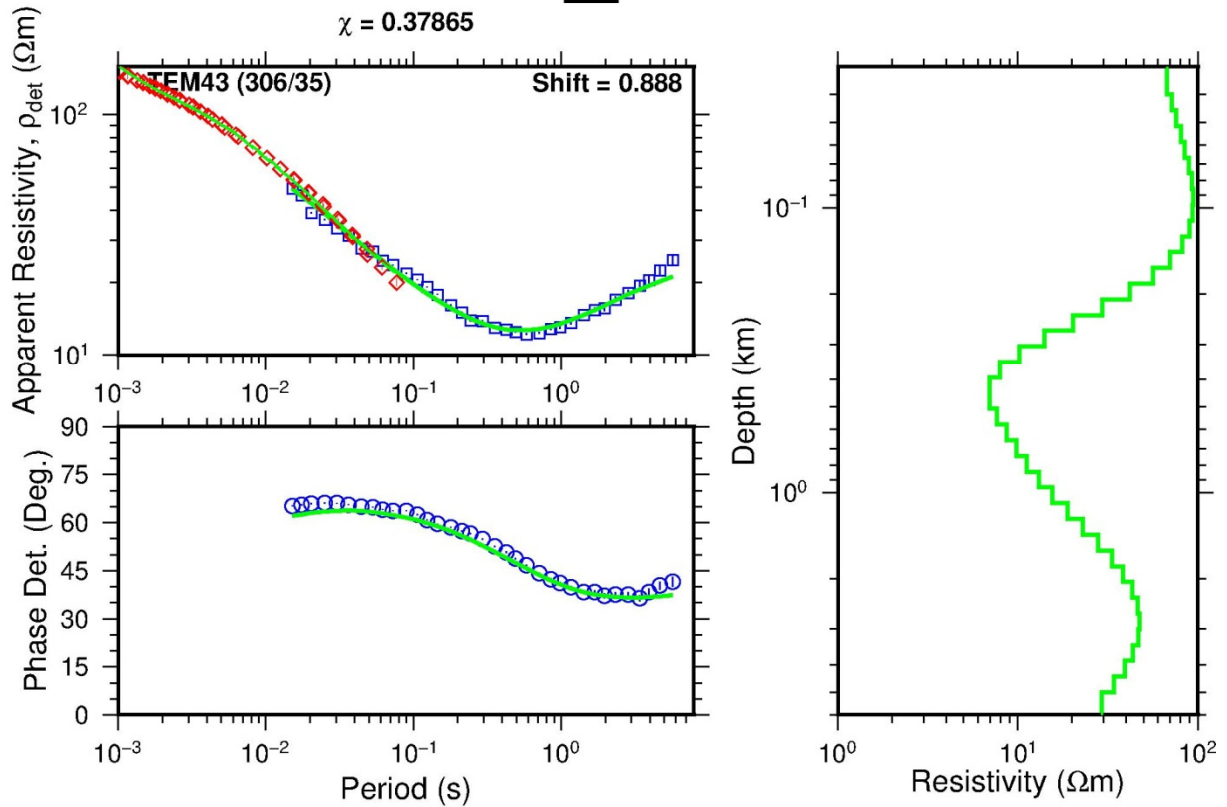
# MENMT10A\_out



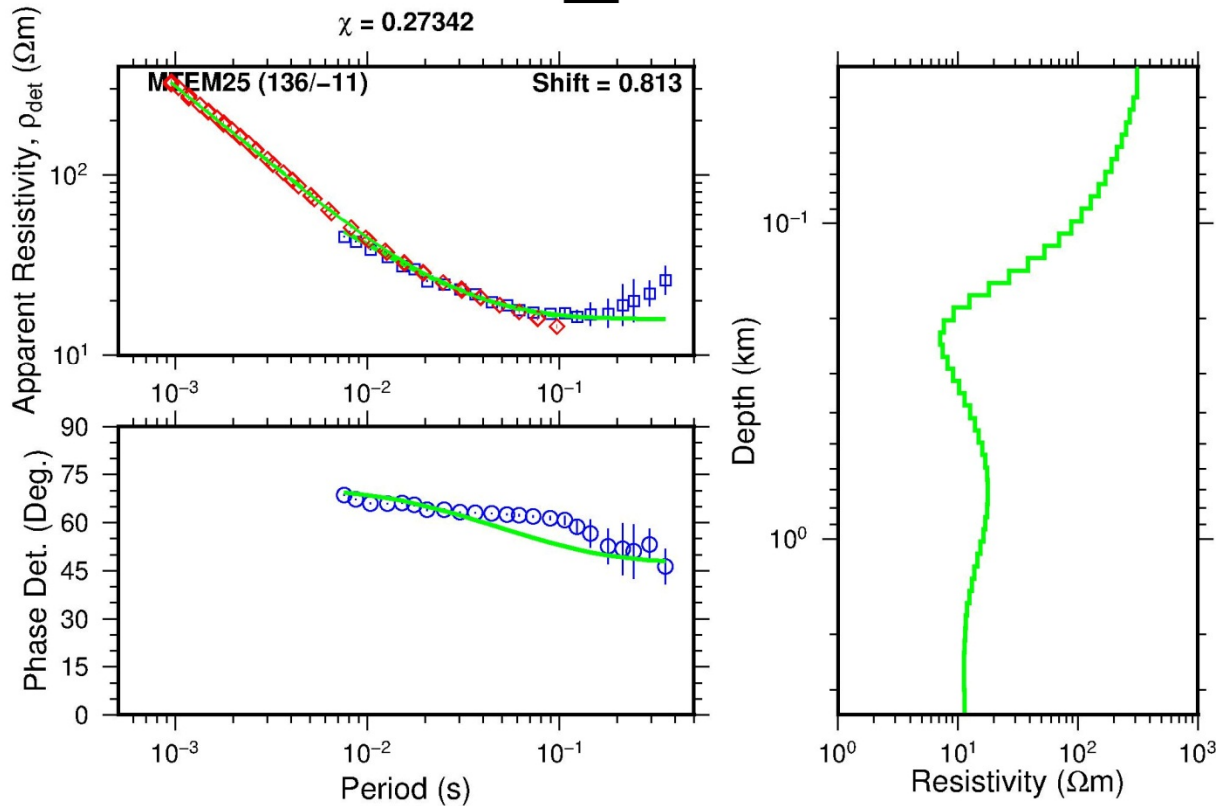
# MENMT11A\_out



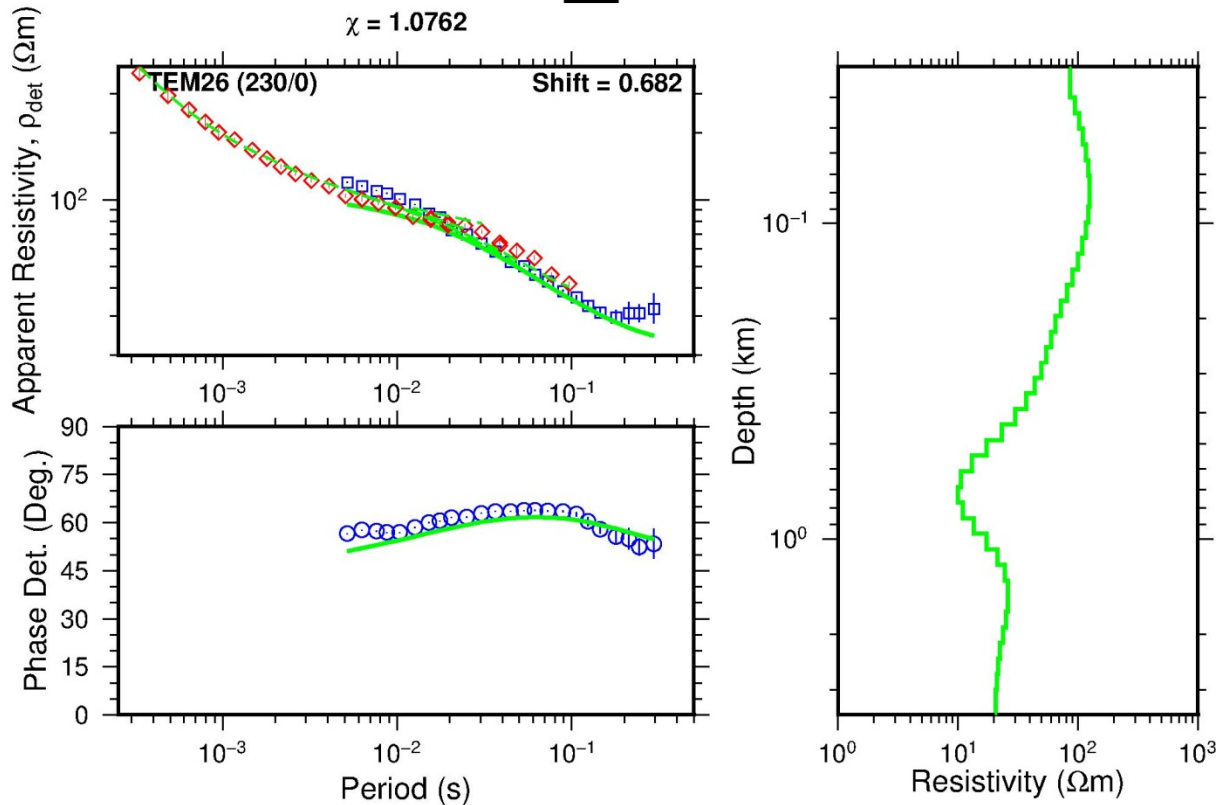
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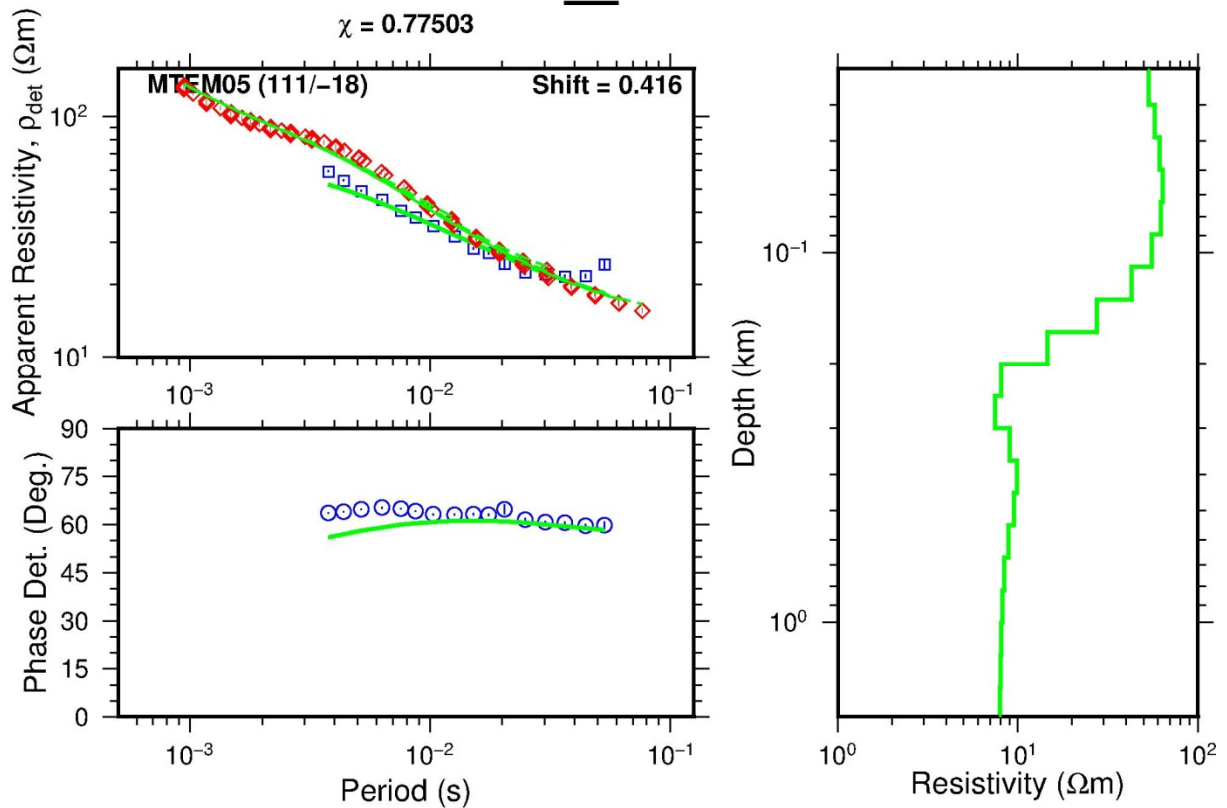
# MENMT27A\_out



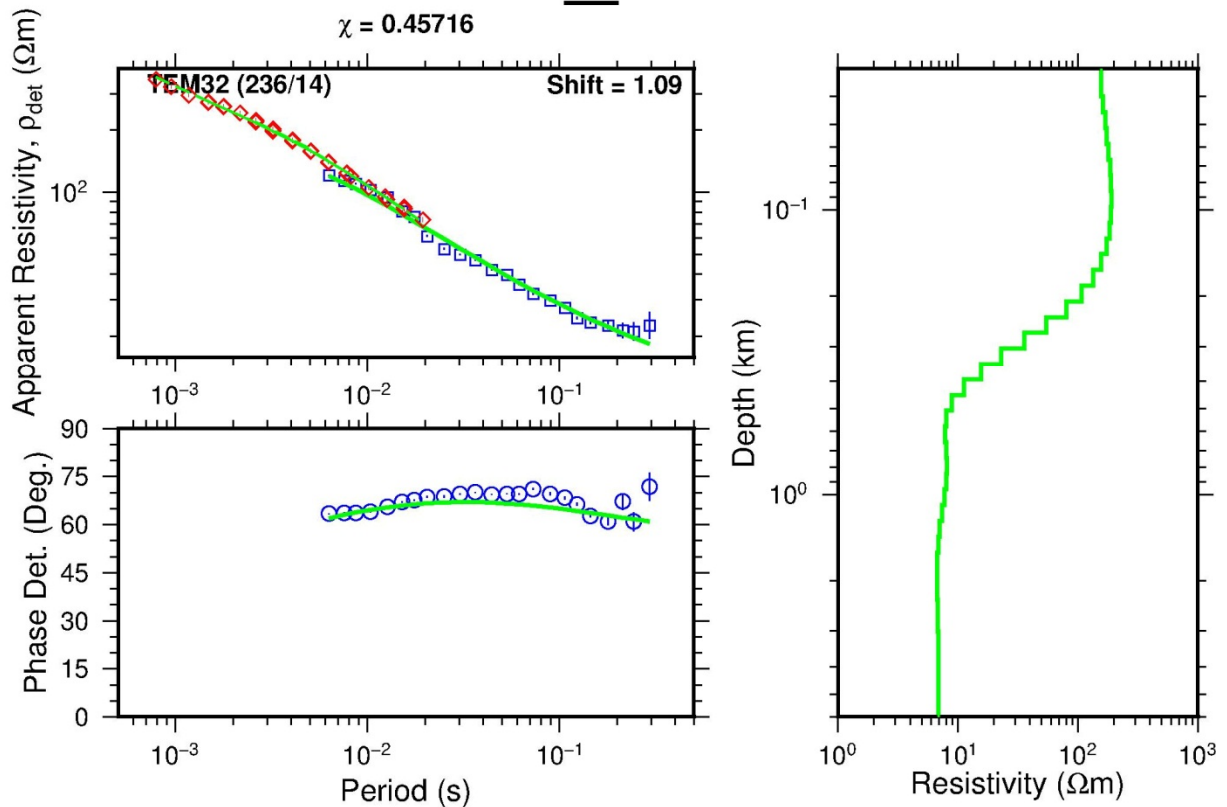
# MENMT28A\_out



# MENMT31A\_out

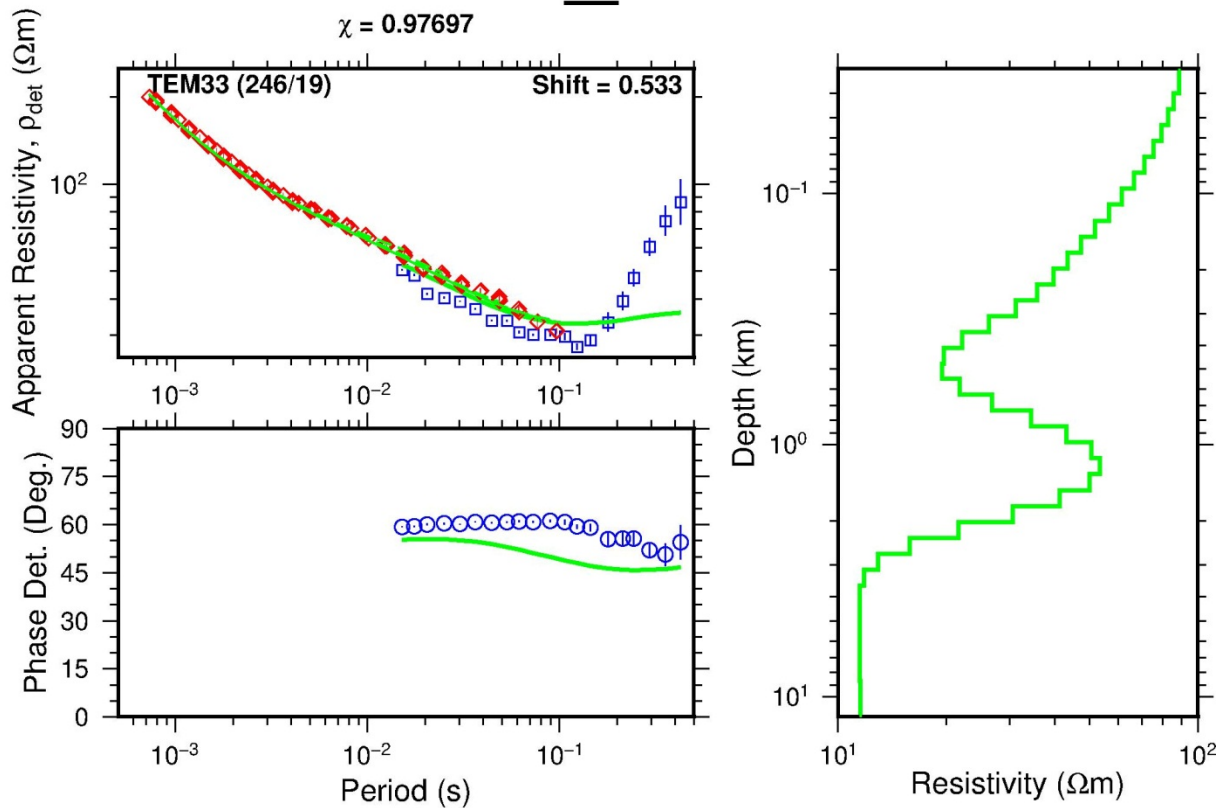


# MENMT37A\_out

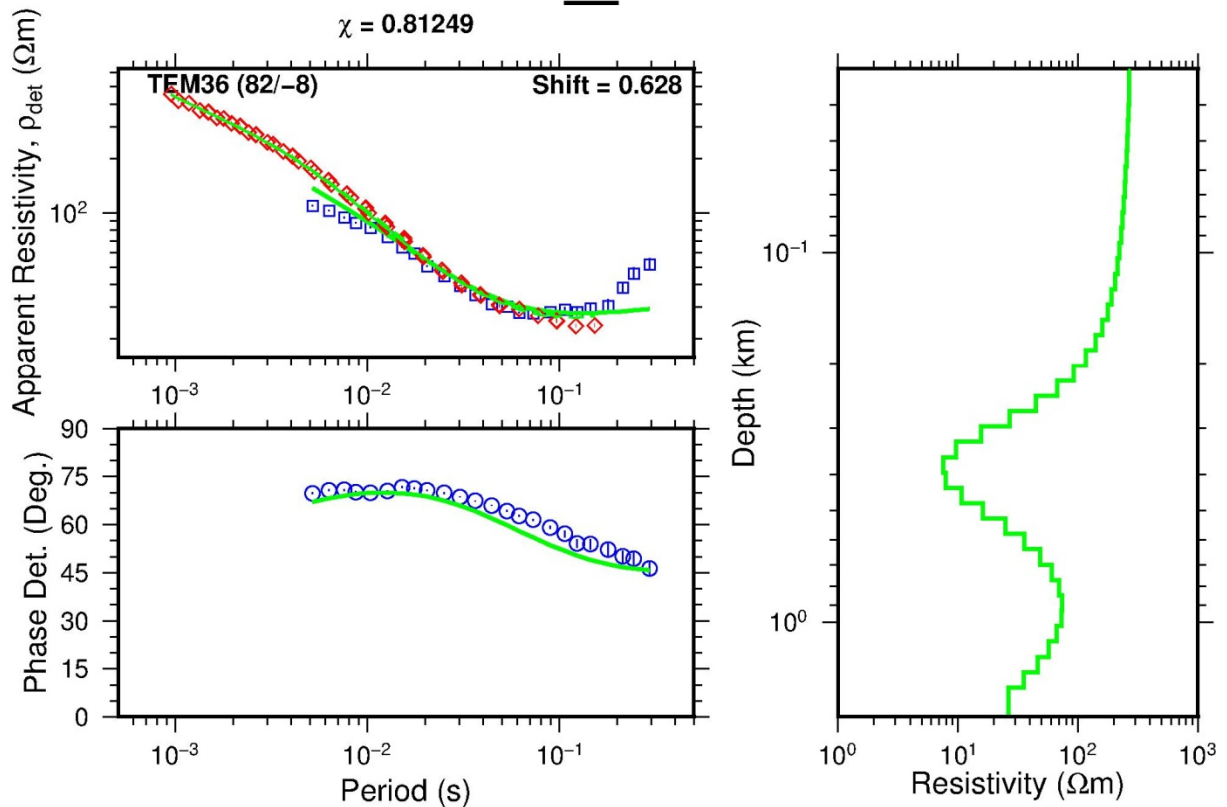




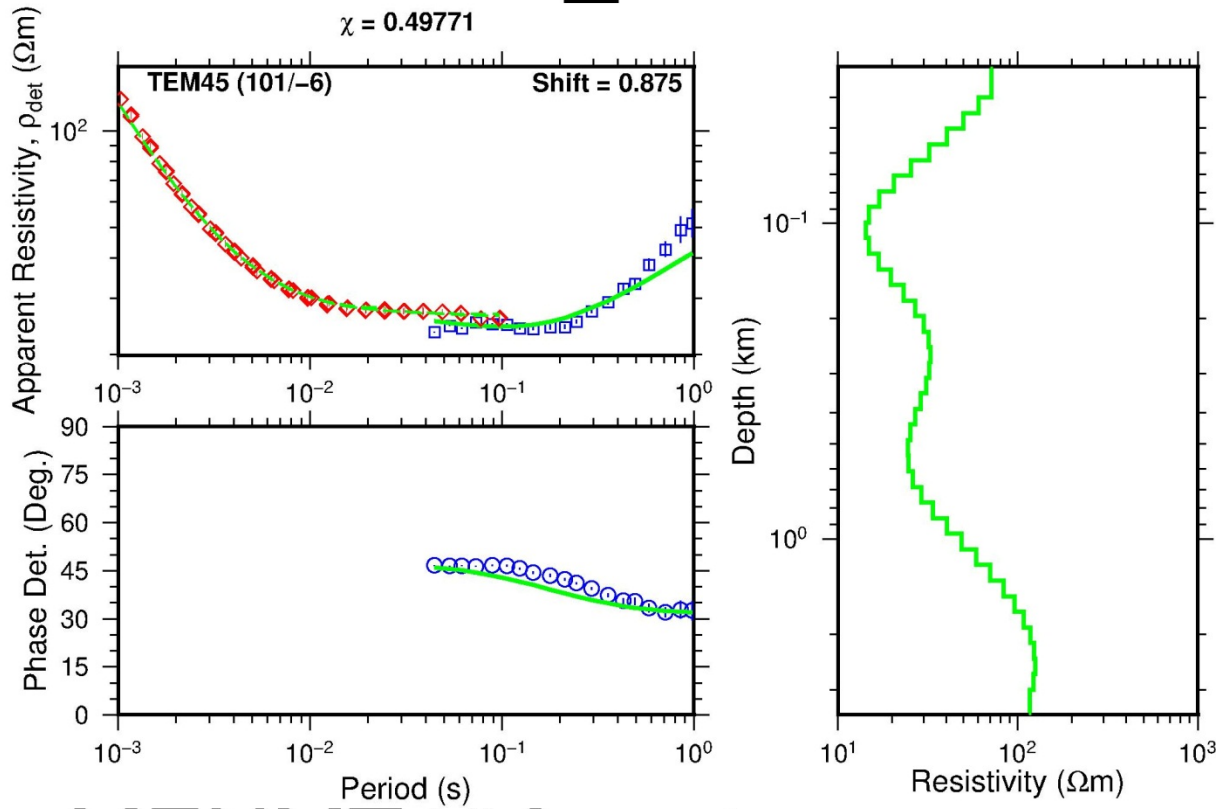
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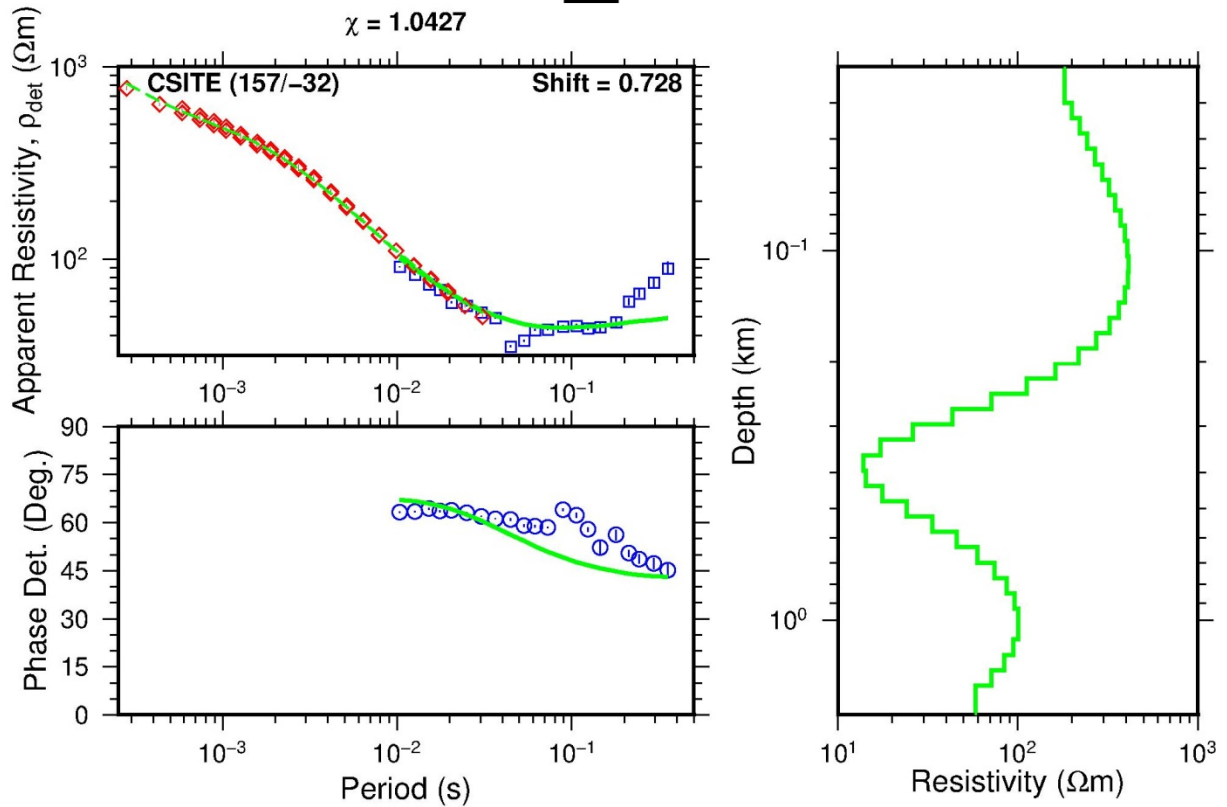
# MENMT46A\_out



# MENMT47A\_out

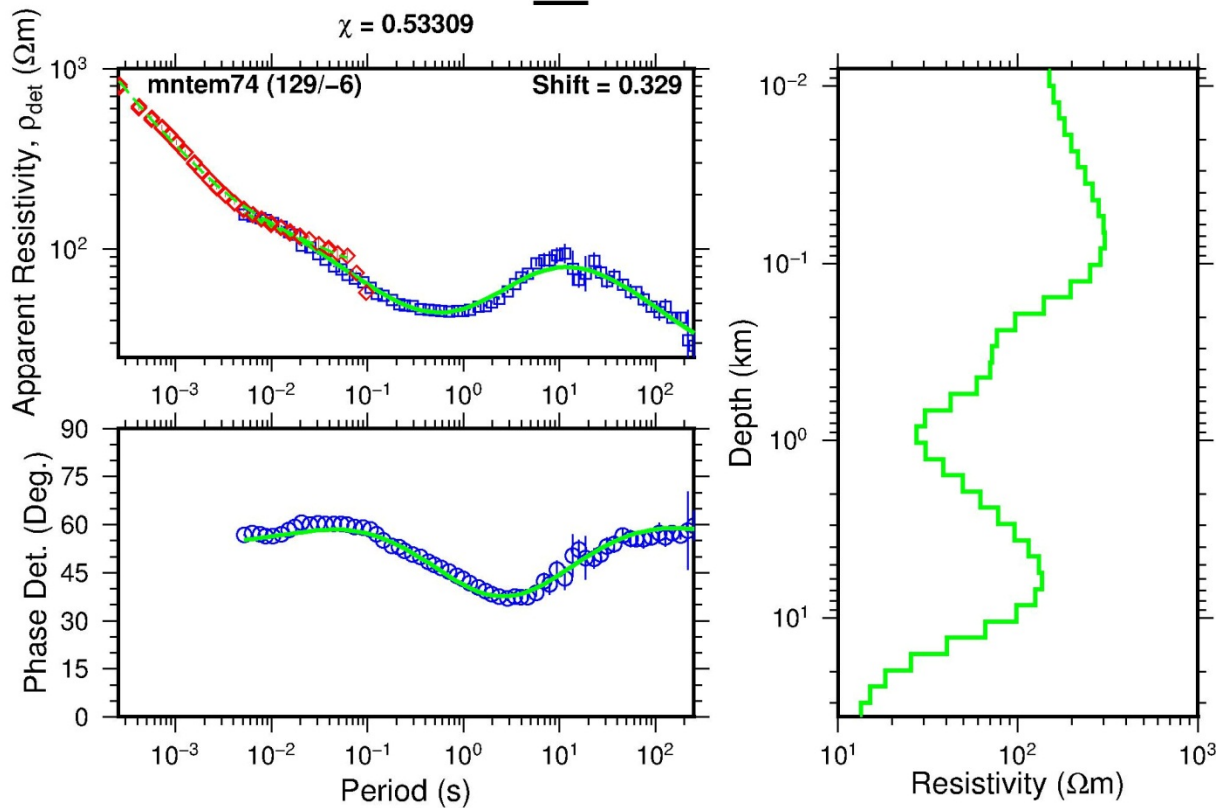


# MENMT48A\_out

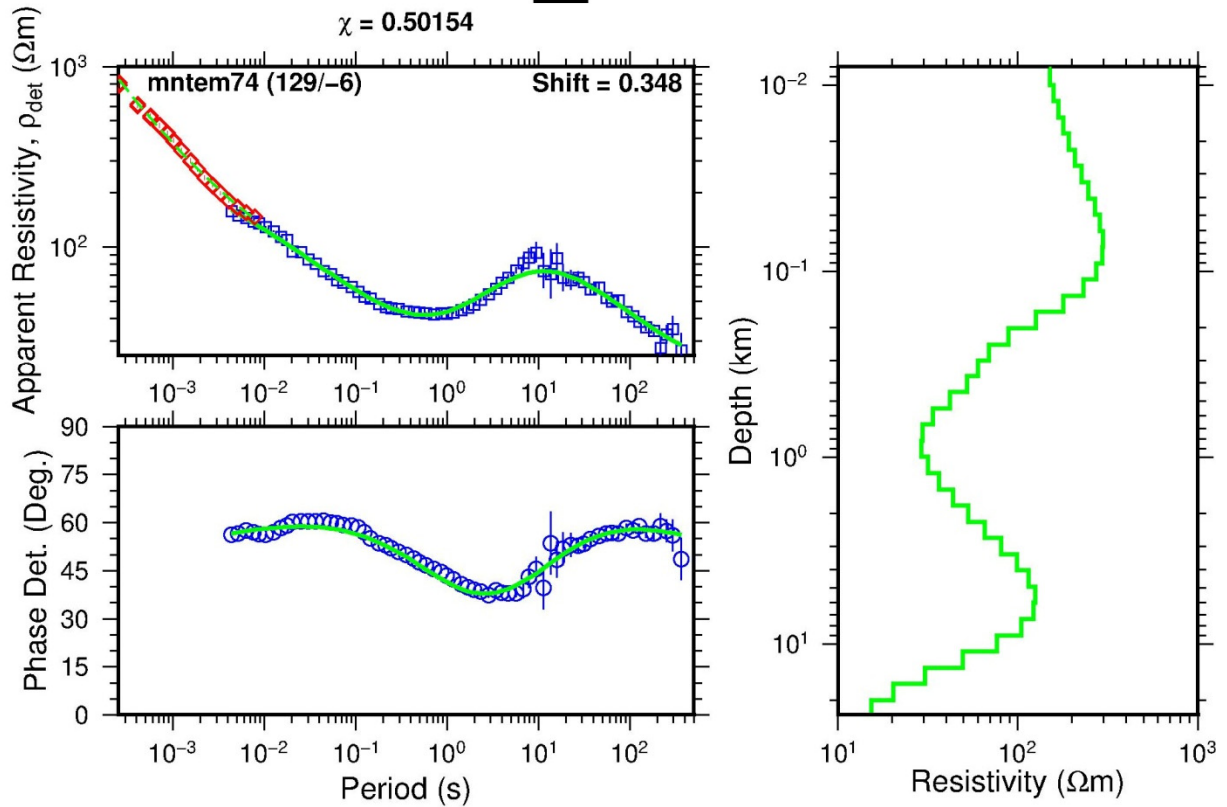




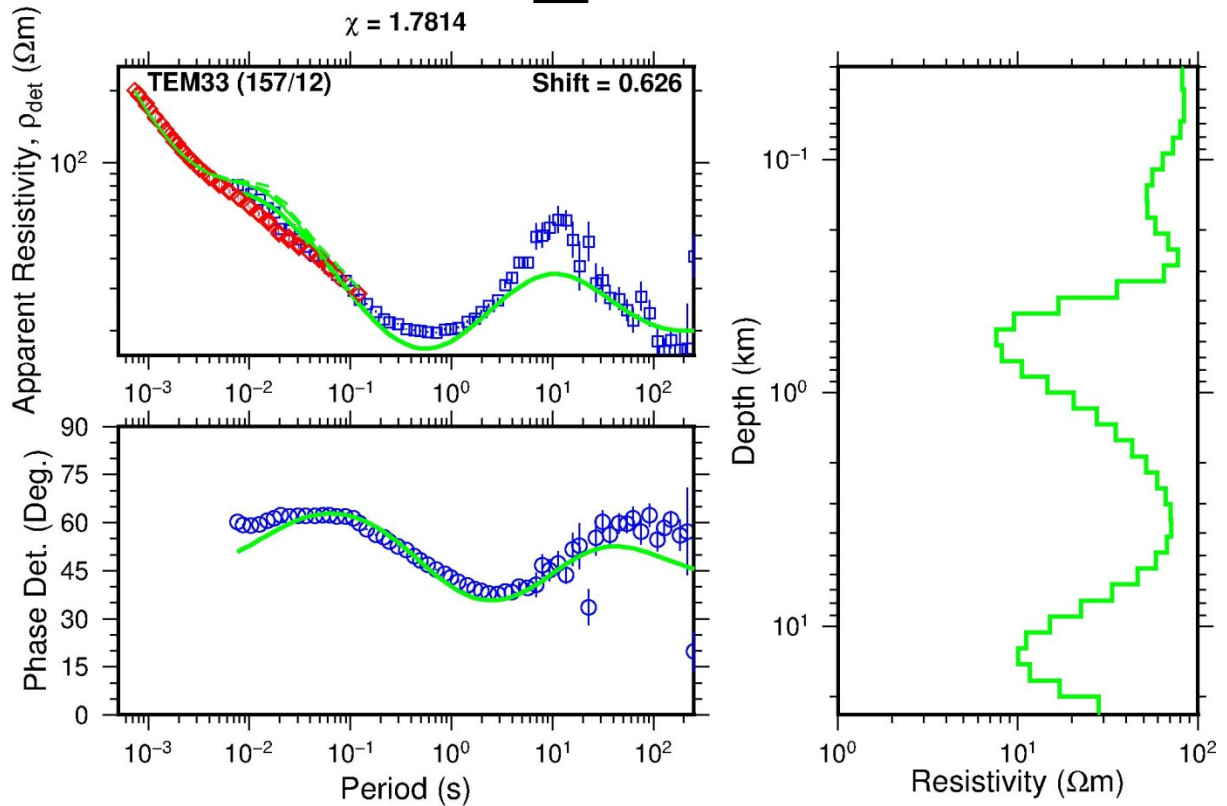
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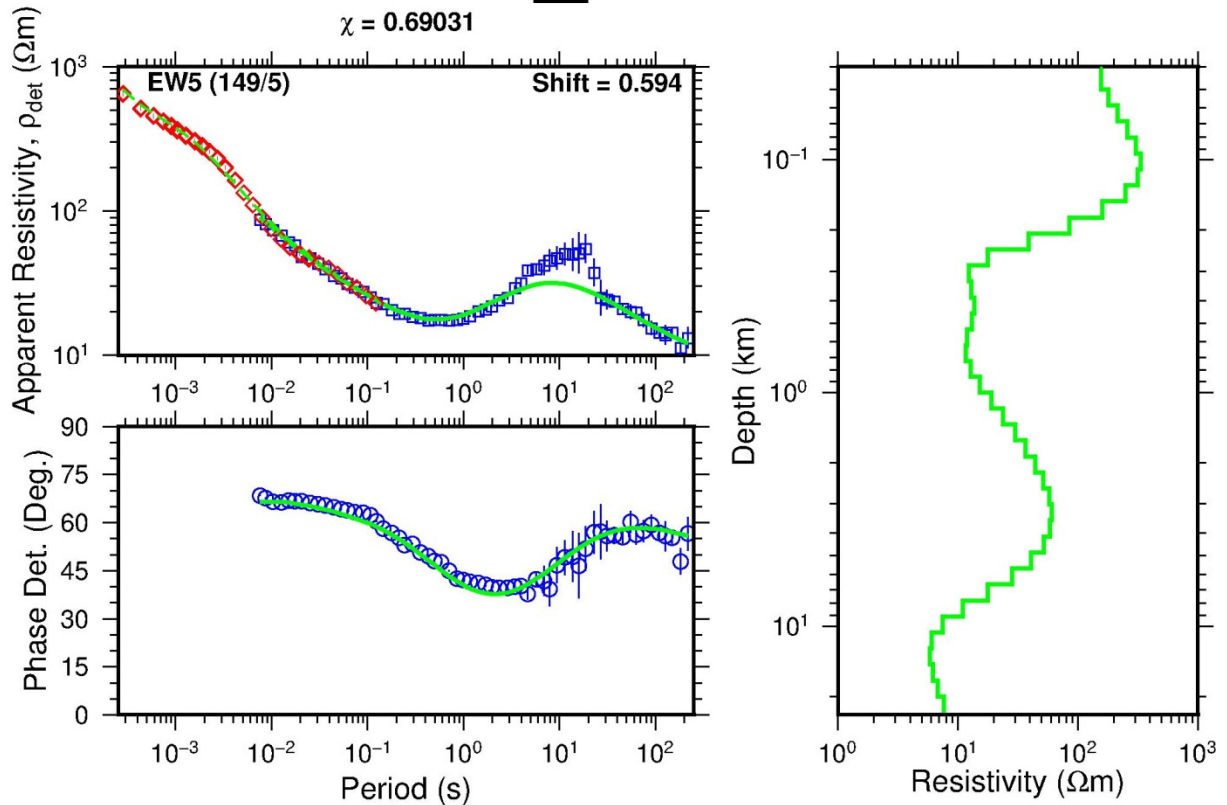
# MENMT69\_out



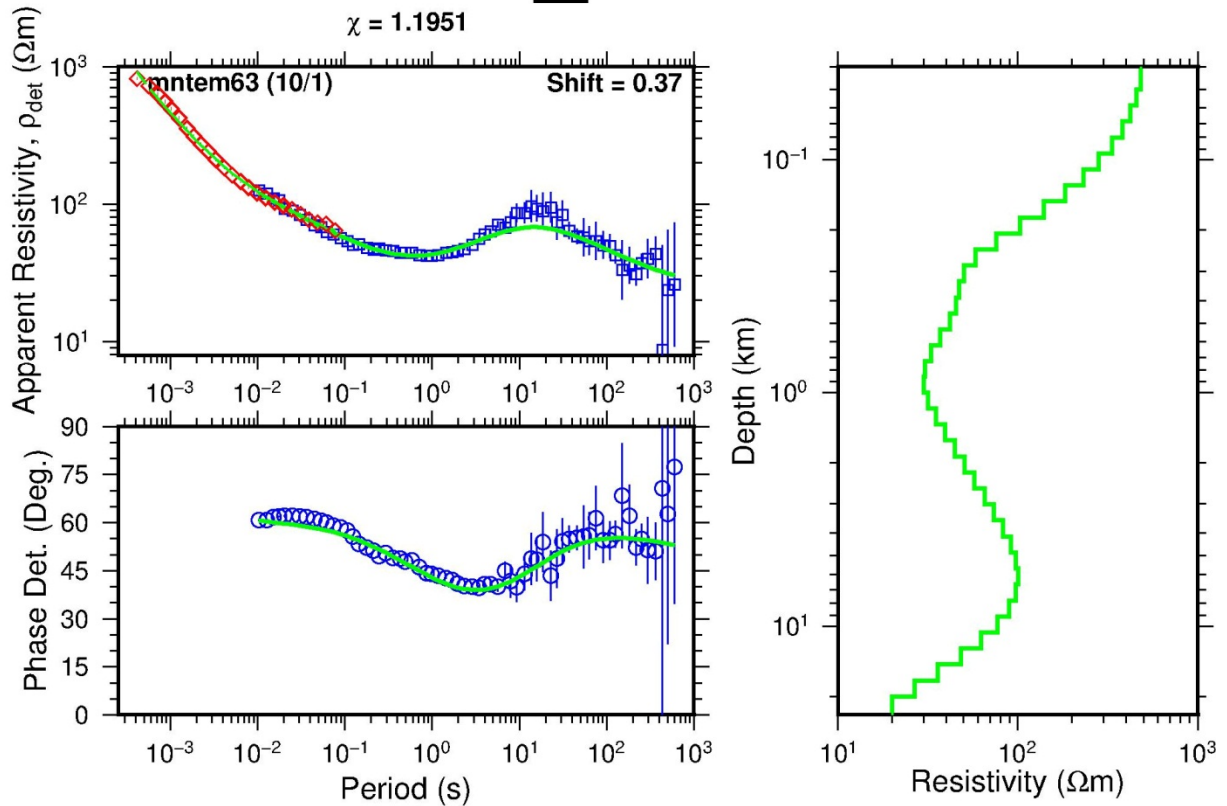
# MENMT70\_out



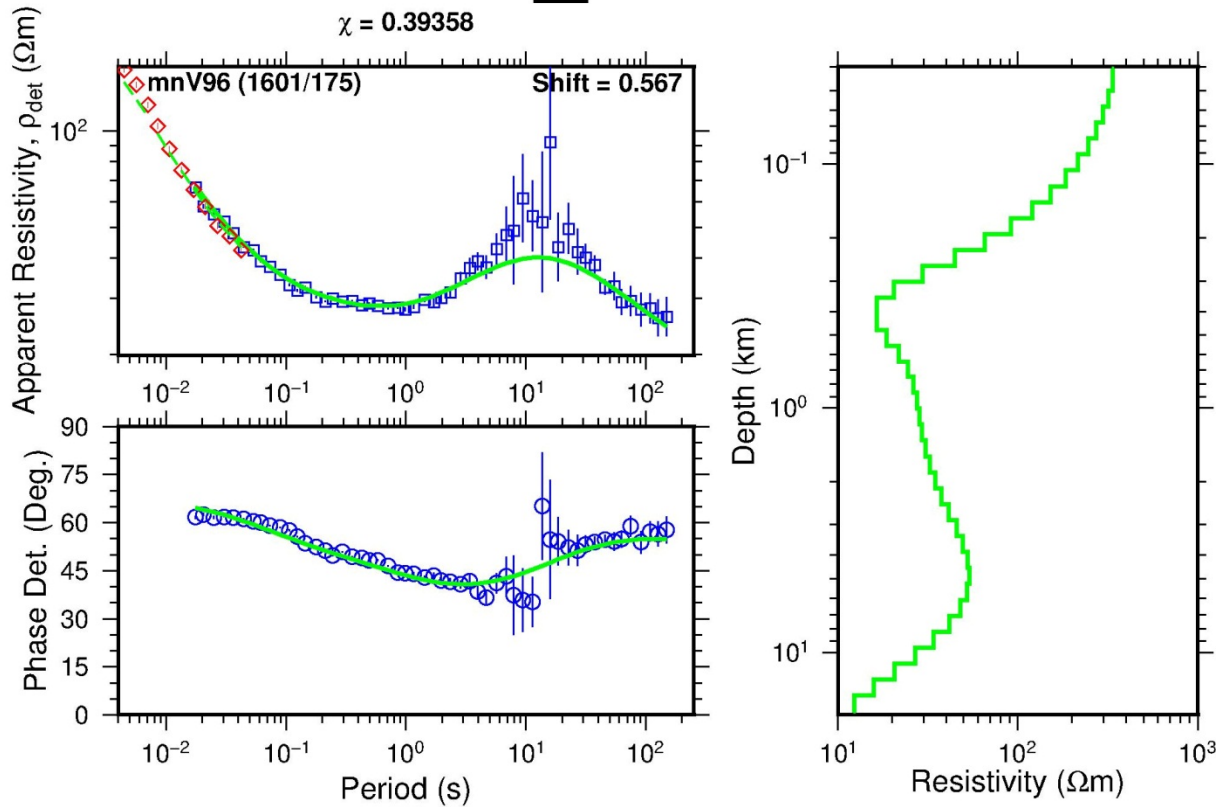
# MENMT71\_out



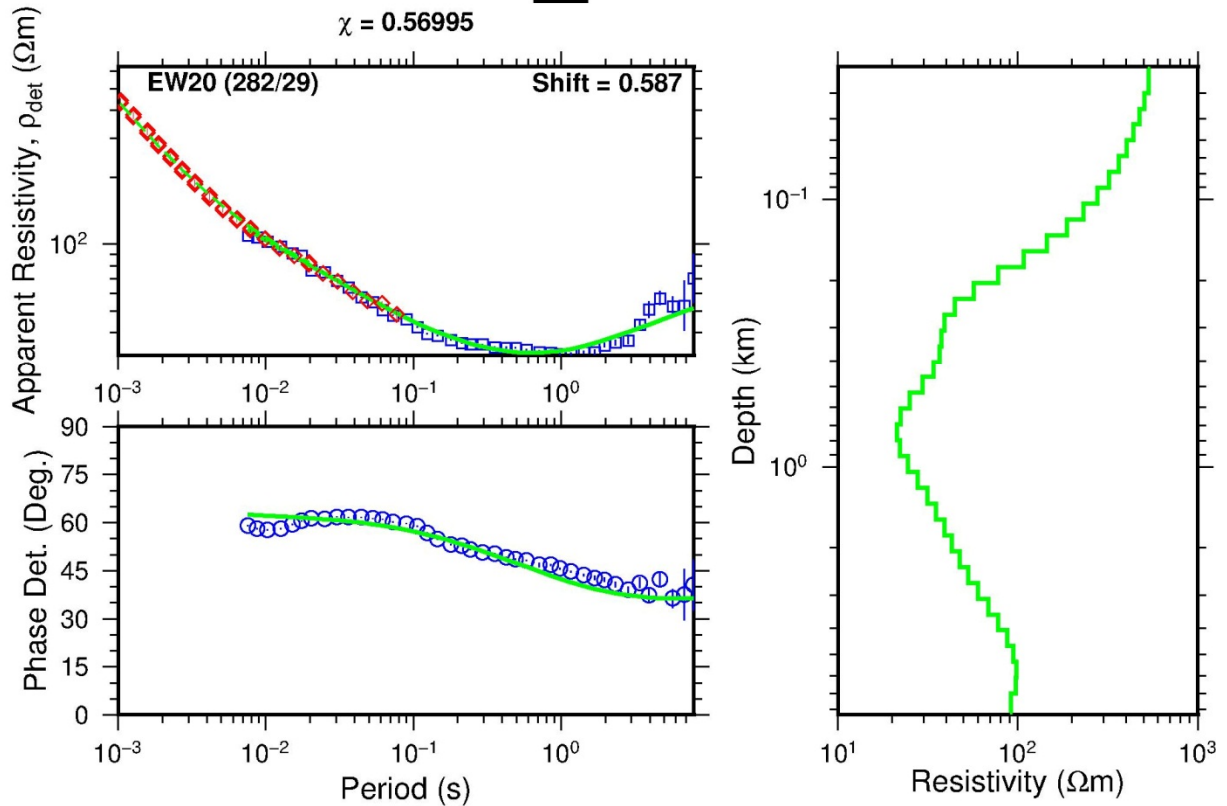
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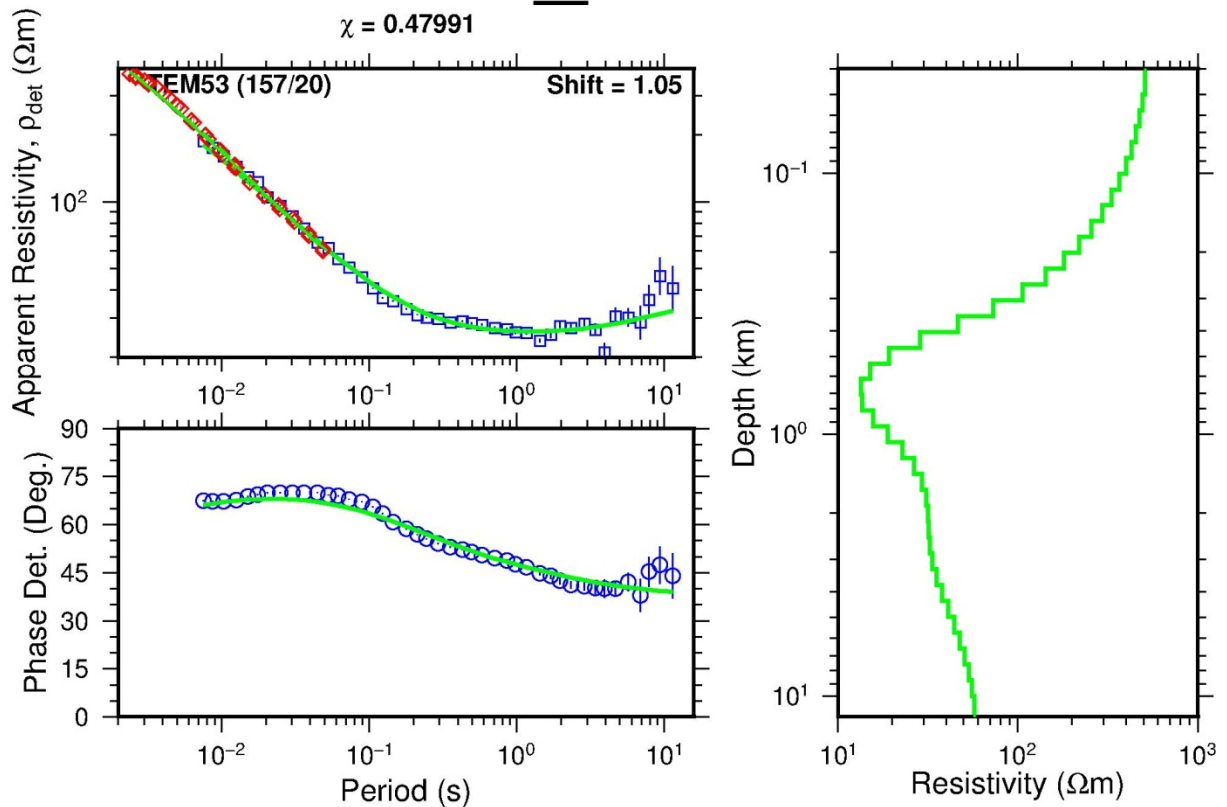
# MENMT73\_out



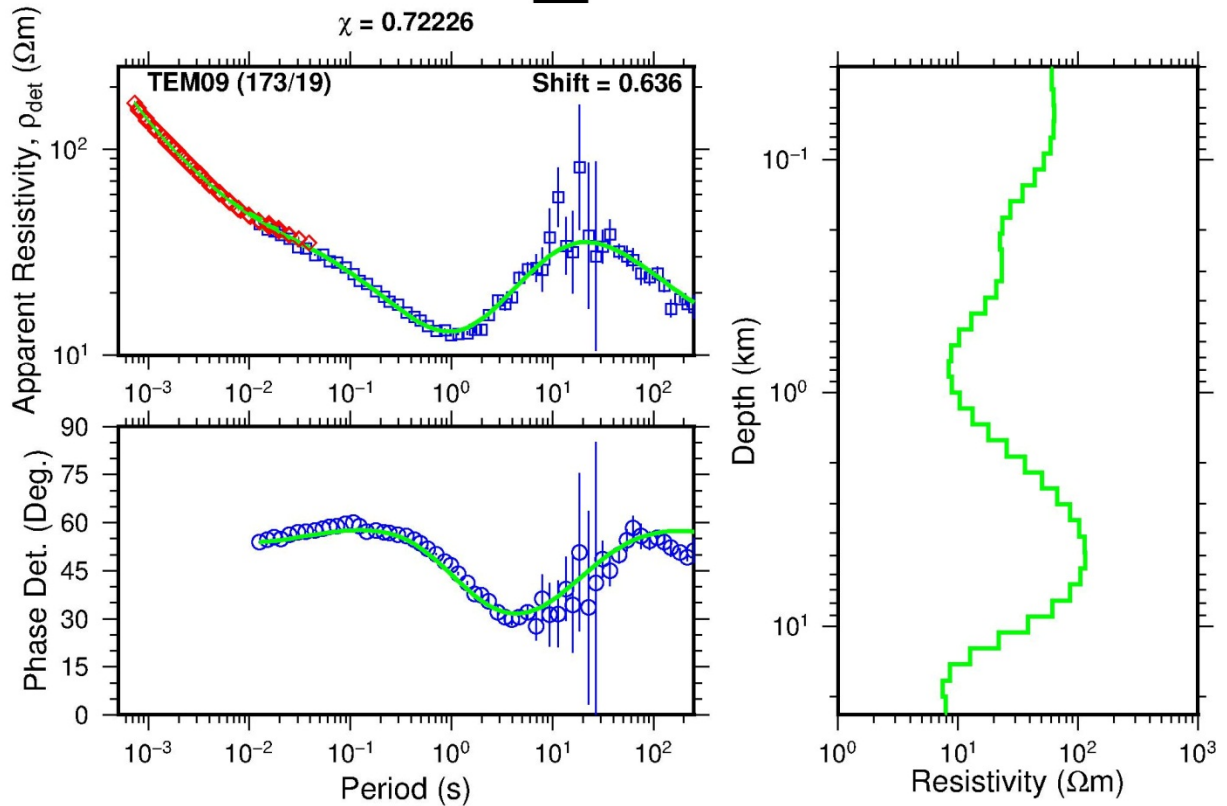
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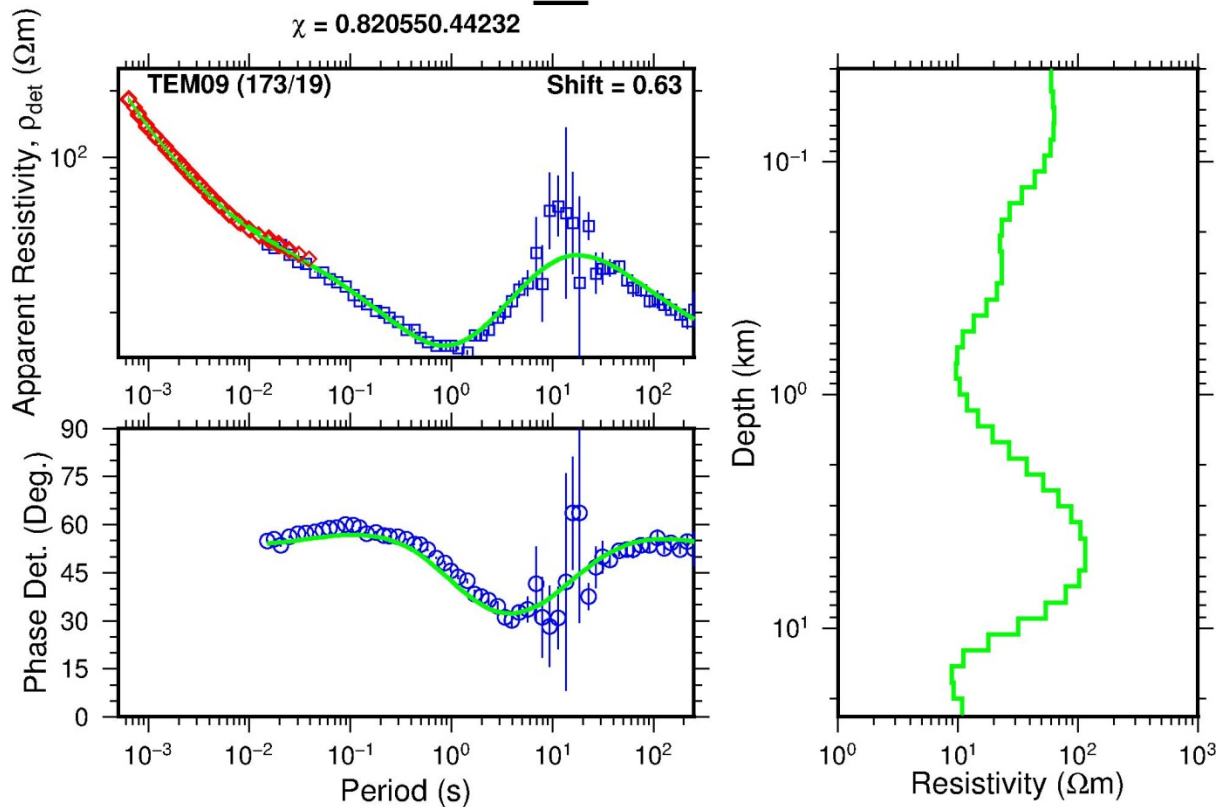
# MENMT76\_out



# MENMT80\_out

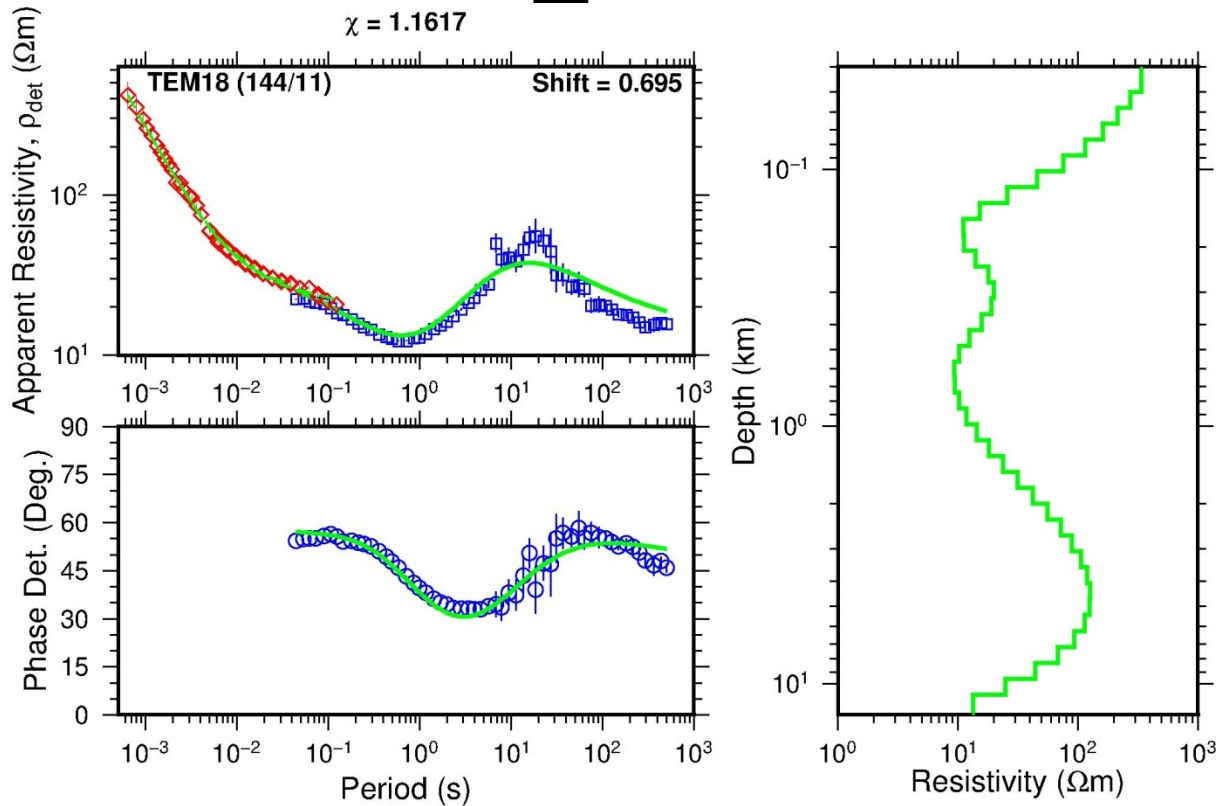


# MENMT81\_out

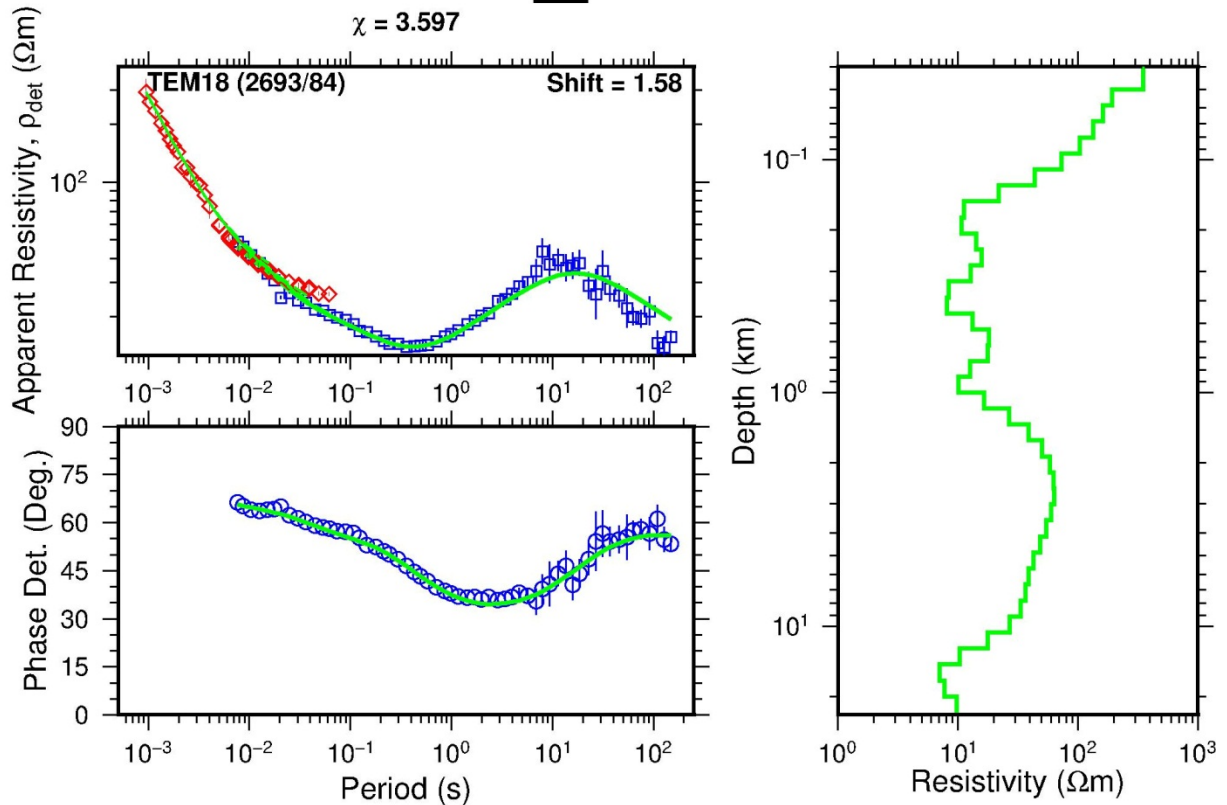




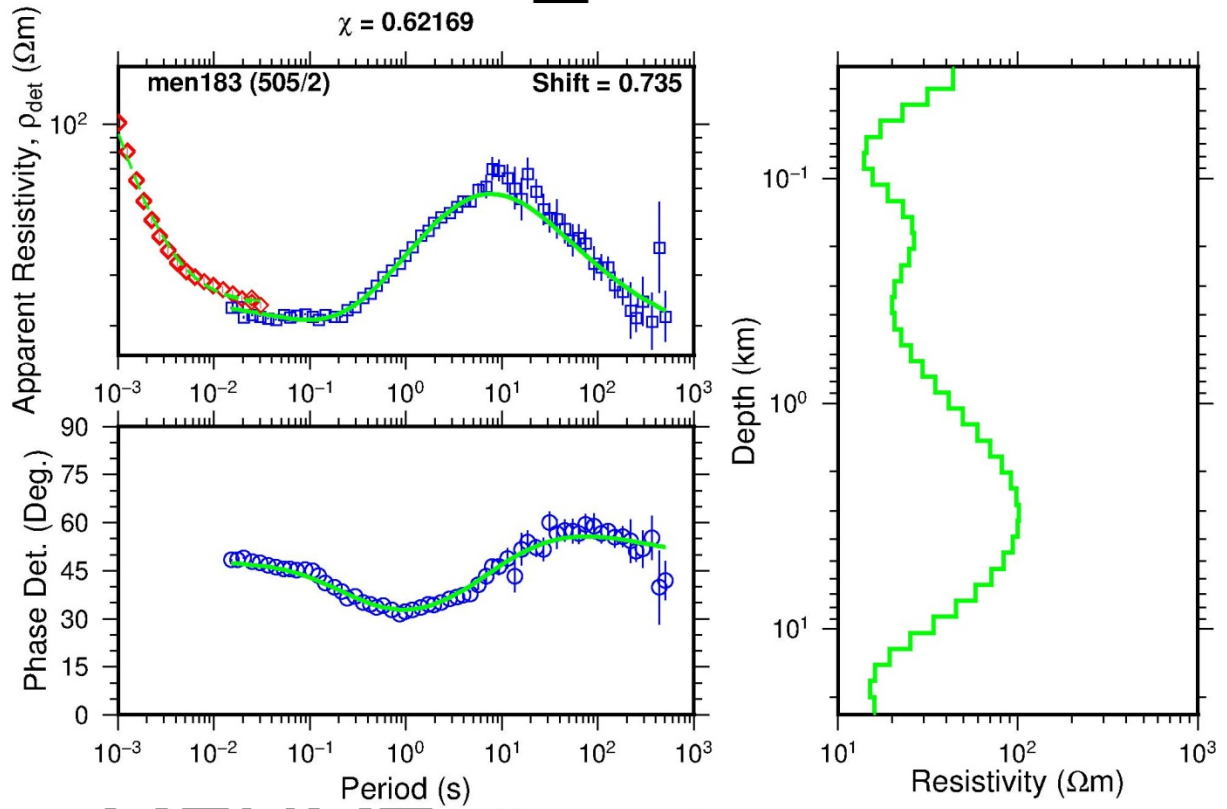
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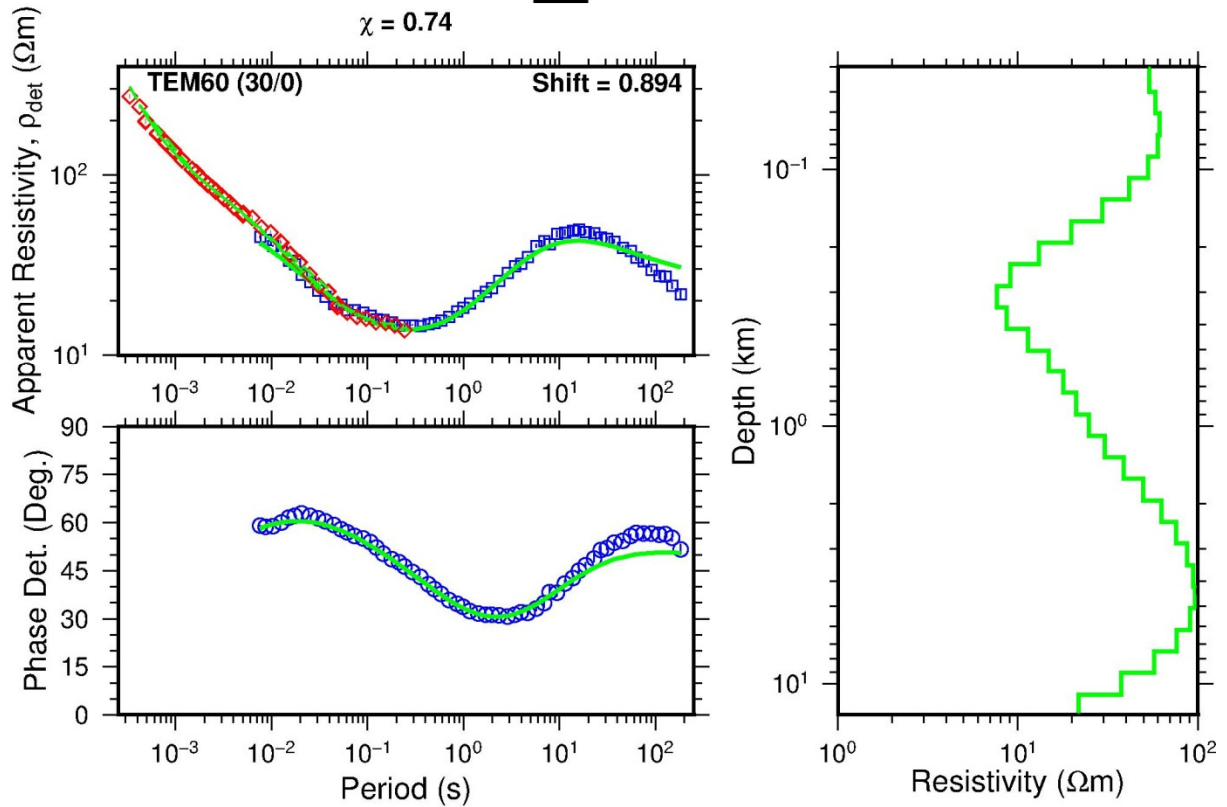
# MENMT85\_out



# MENMT87\_out

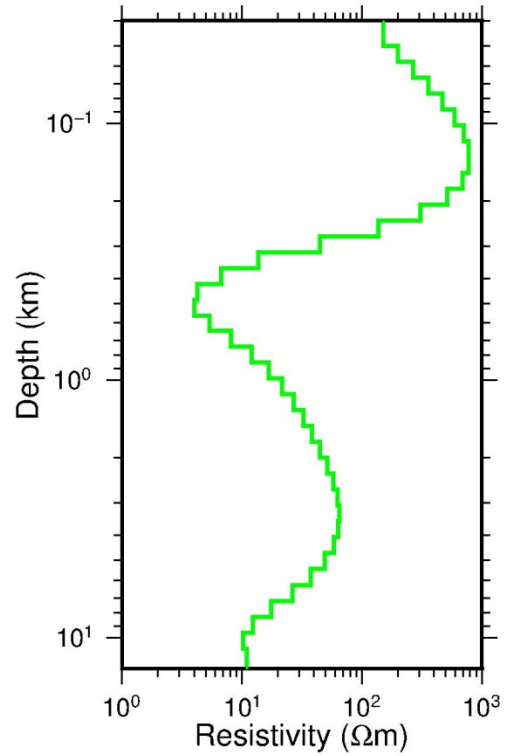
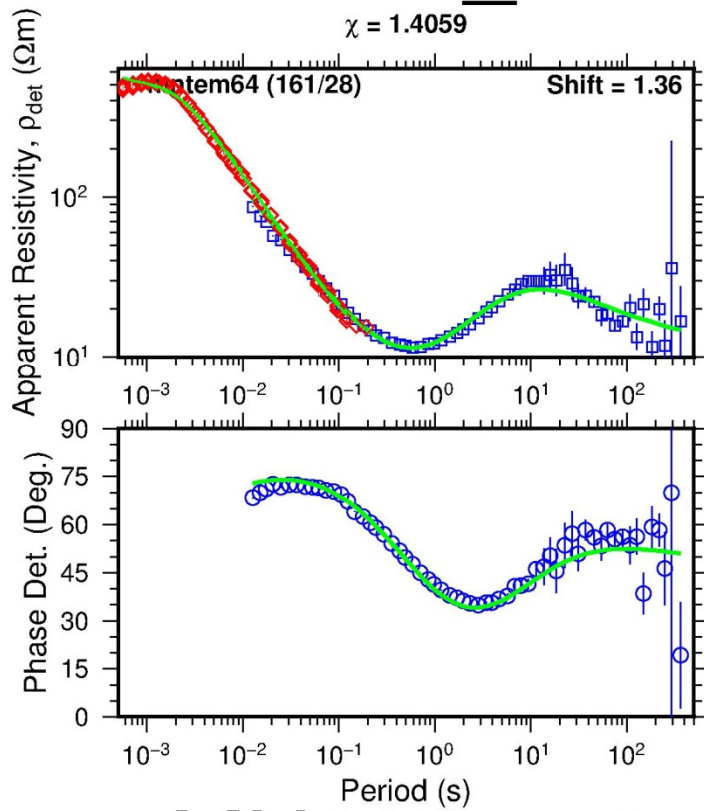


# MENMT88\_out



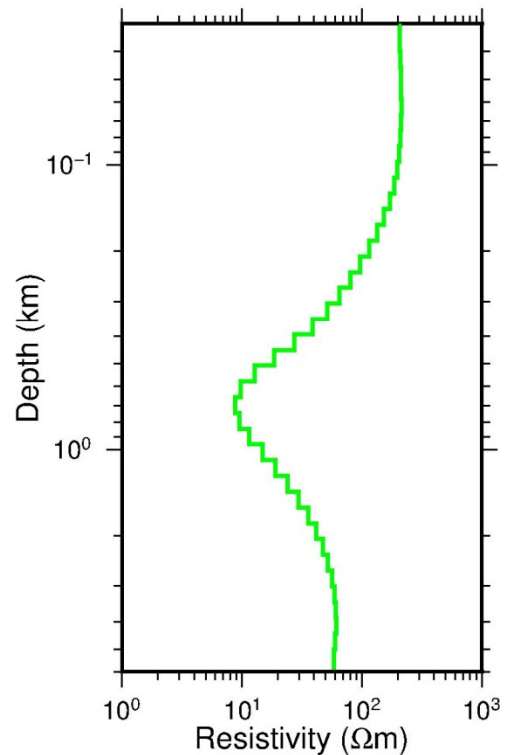
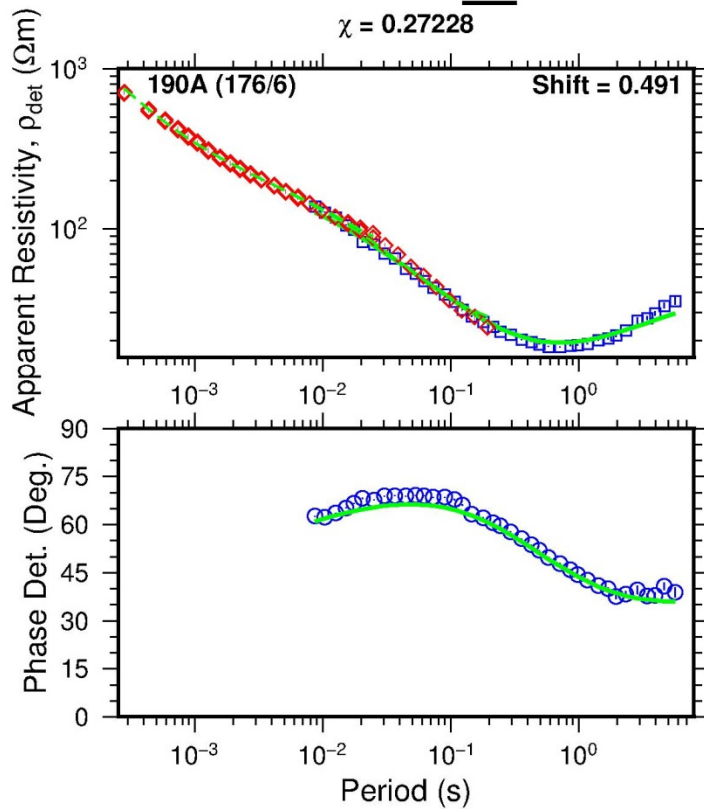
# MN110\_out

$\chi = 1.4059$



# MN112\_out

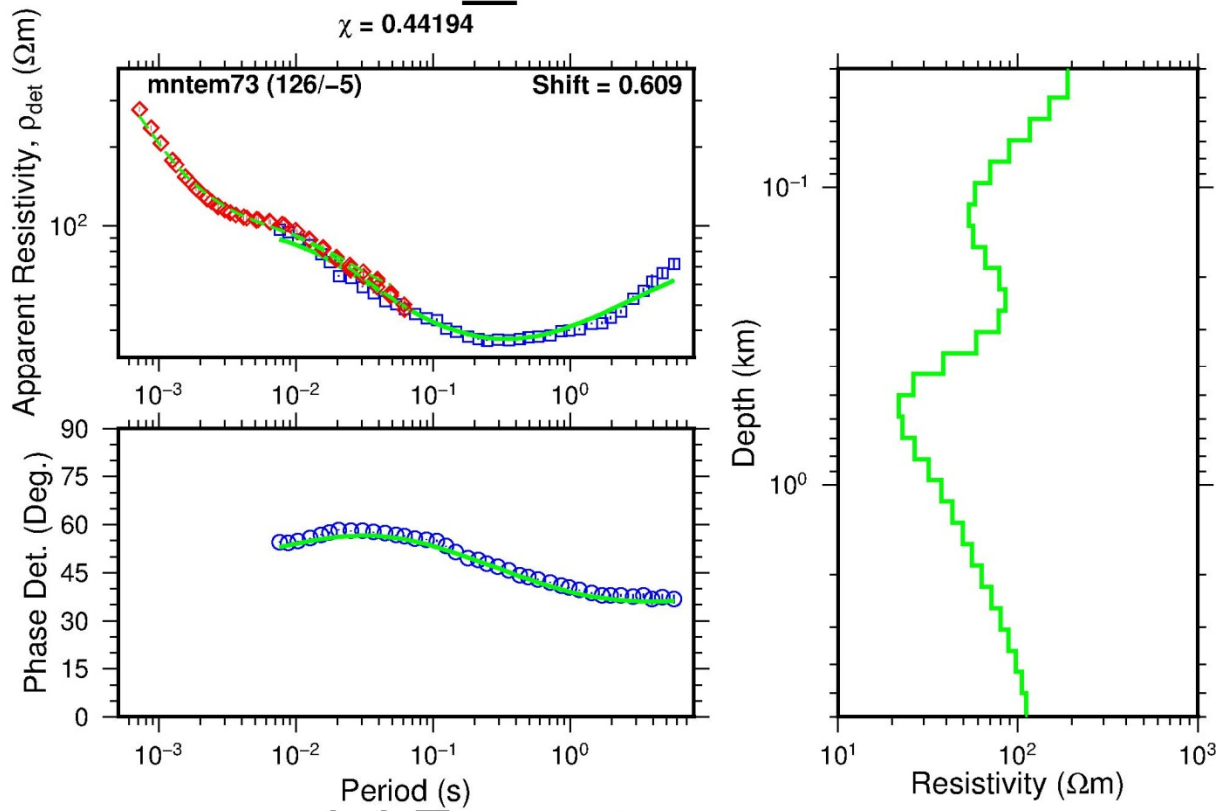
$\chi = 0.27228$





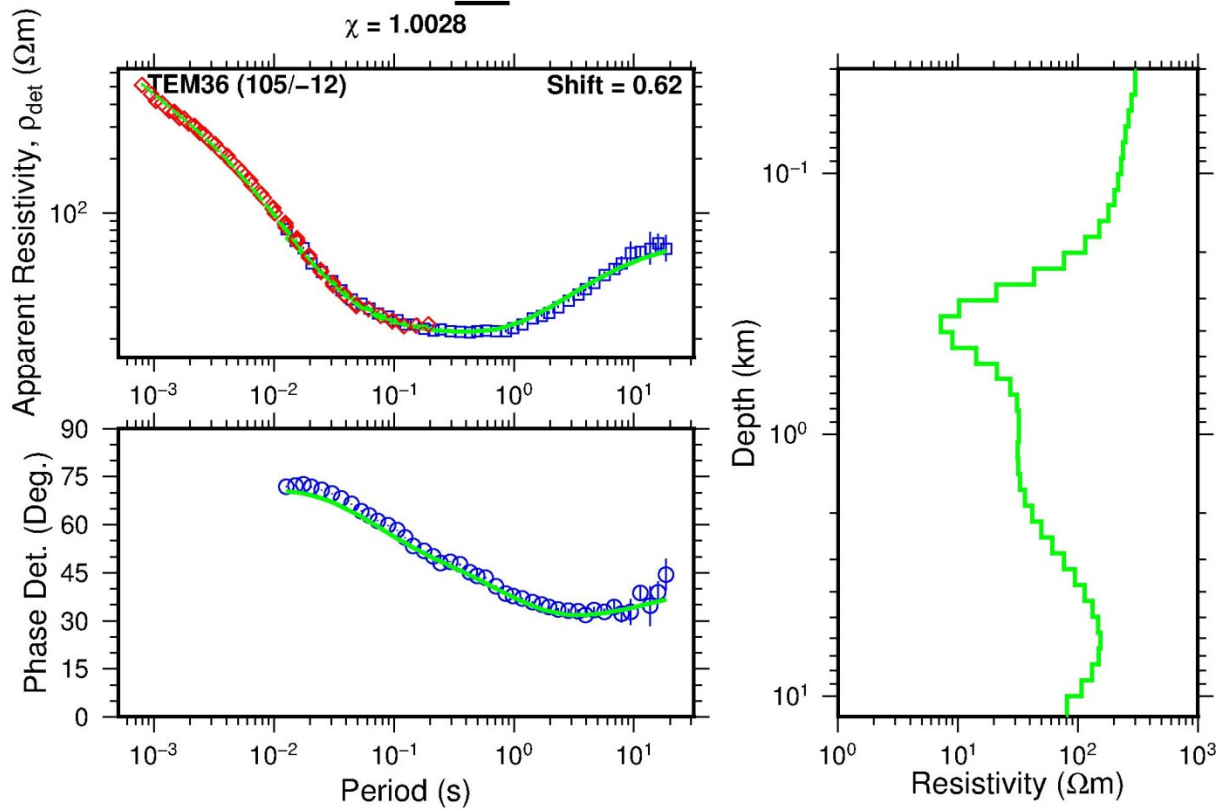
# MN114\_out

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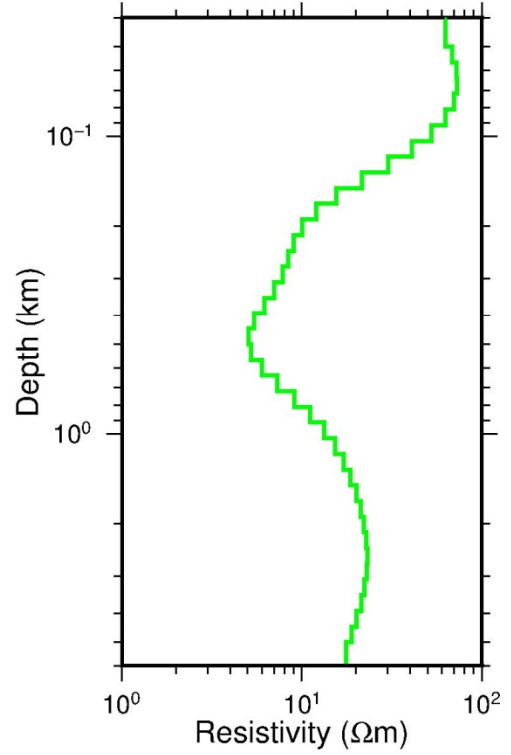
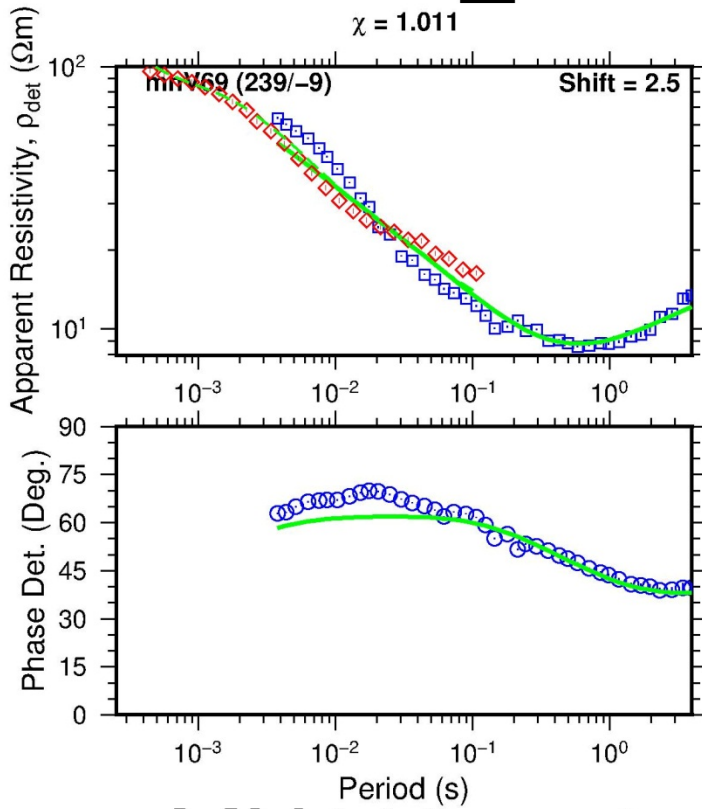
# mn115\_out

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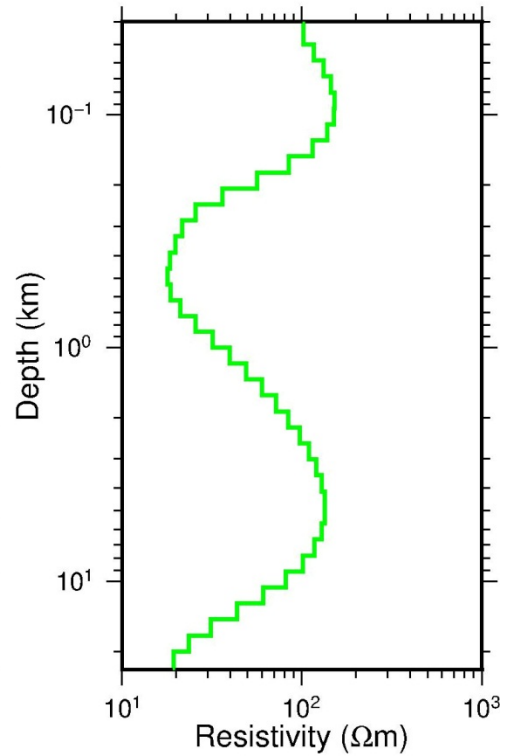
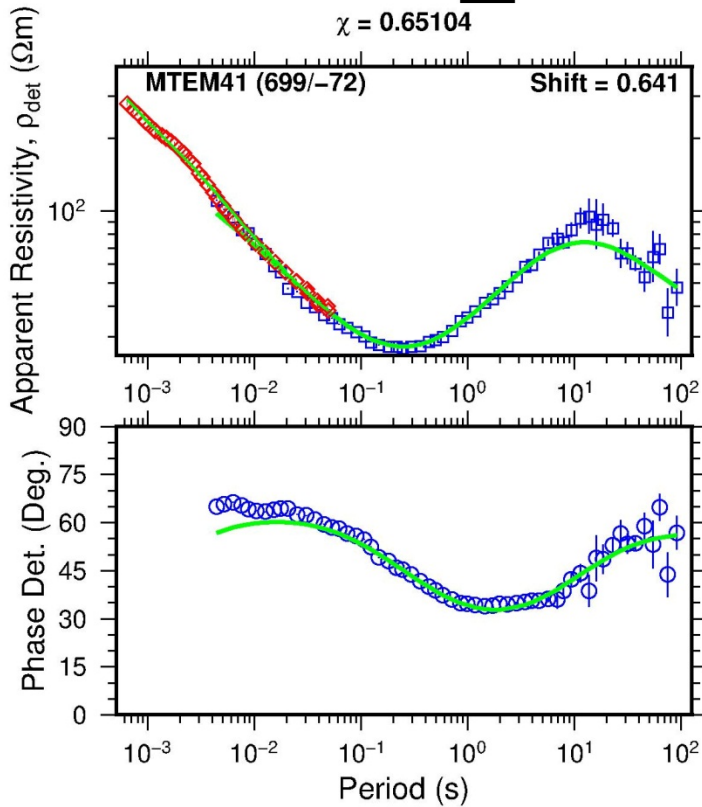
# MN117\_out

$\chi = 1.011$



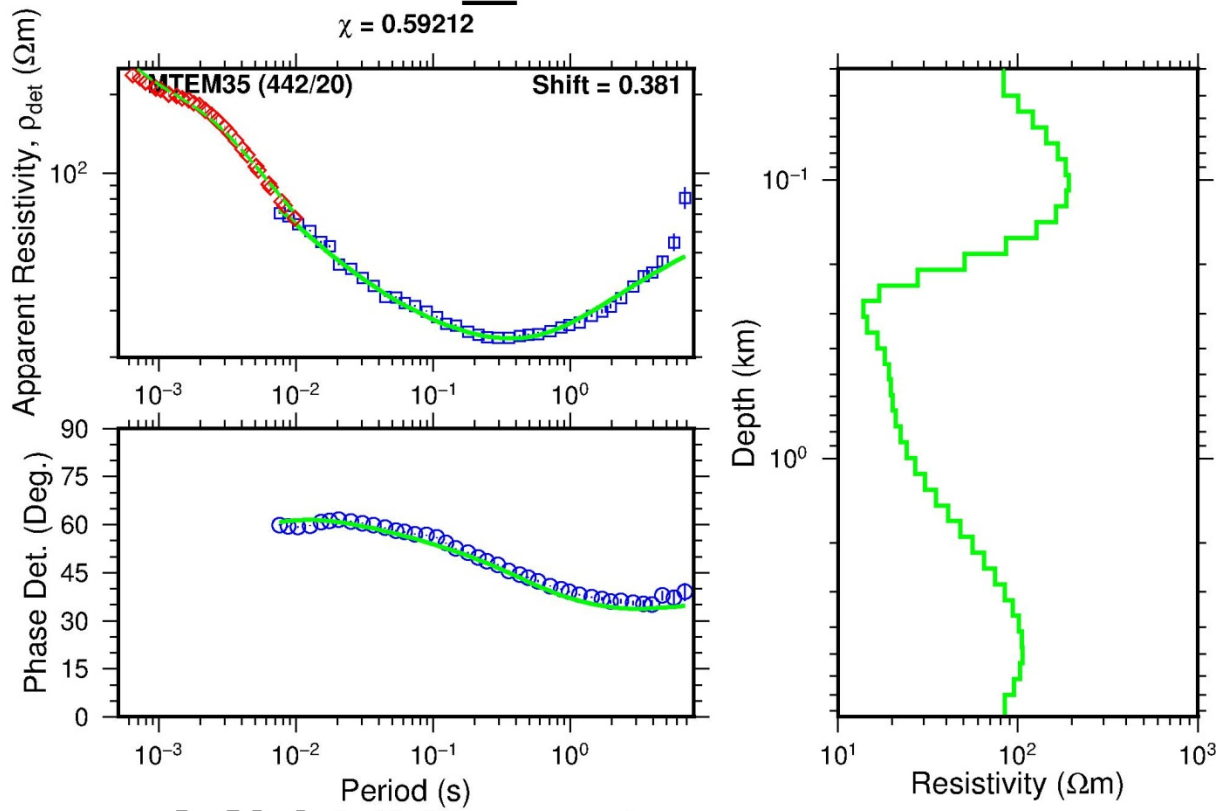
# MN119\_out

$\chi = 0.65104$



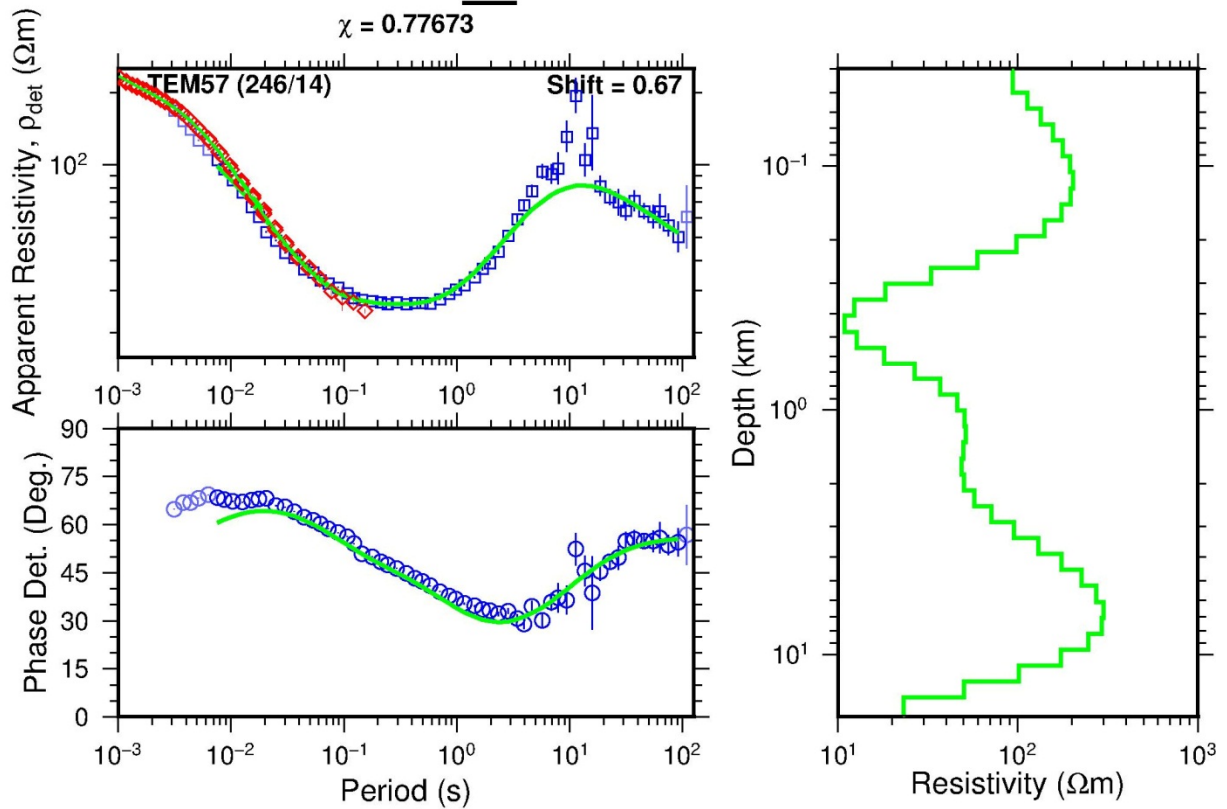
# MN125\_out

$\chi = 0.59212$



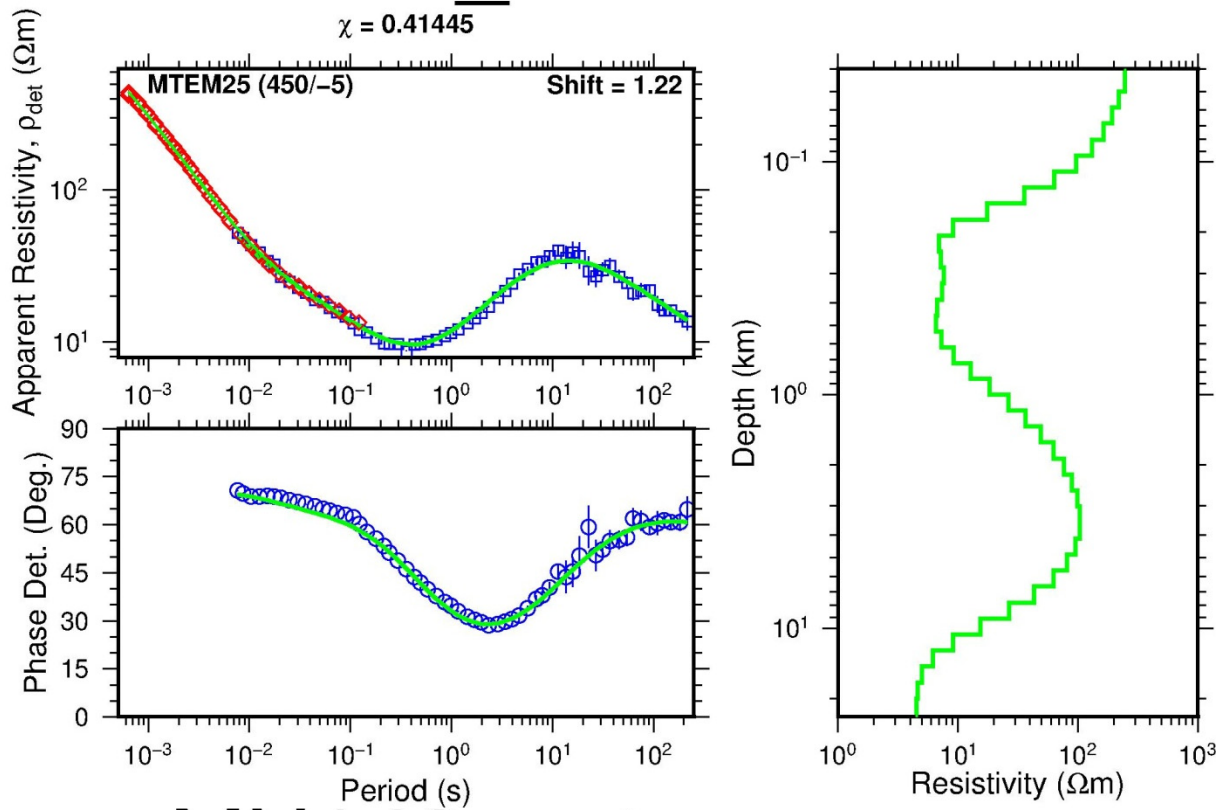
# MN128\_out

$\chi = 0.77673$



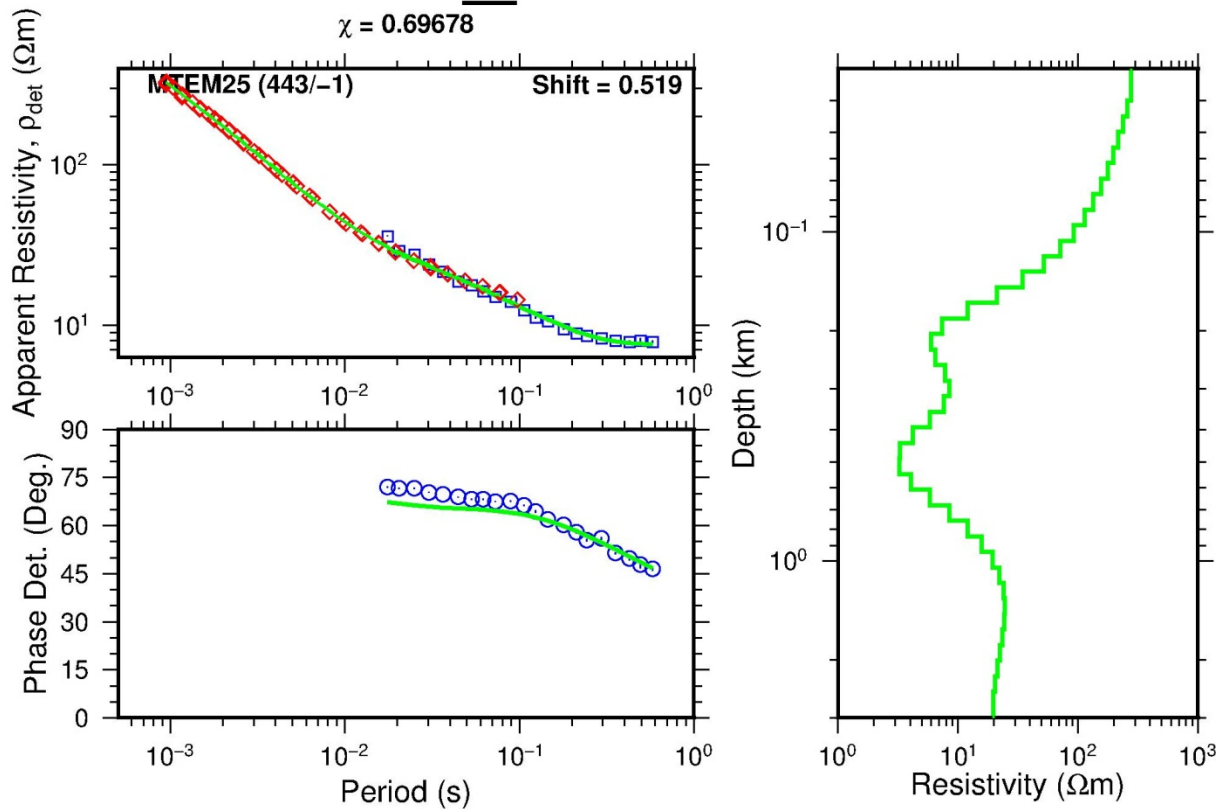
# mn141\_out

$\chi = 0.41445$



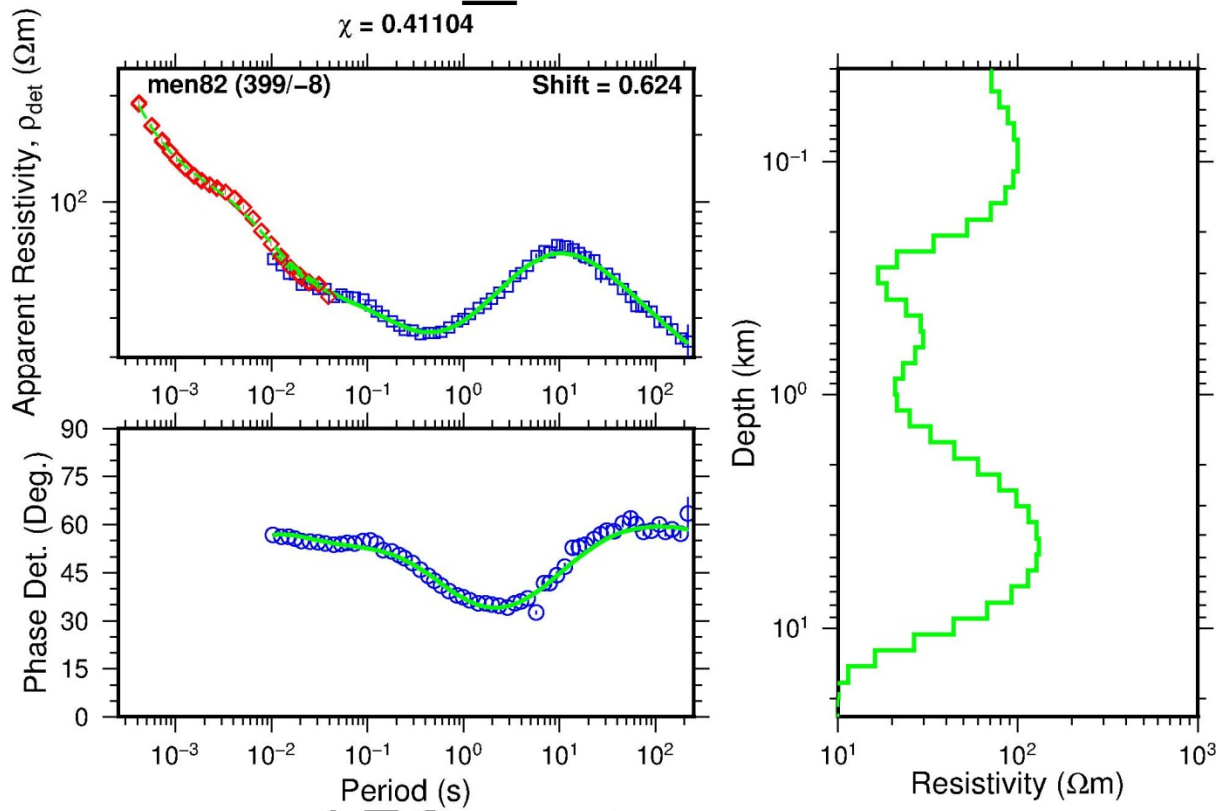
# MN142\_out

$\chi = 0.69678$



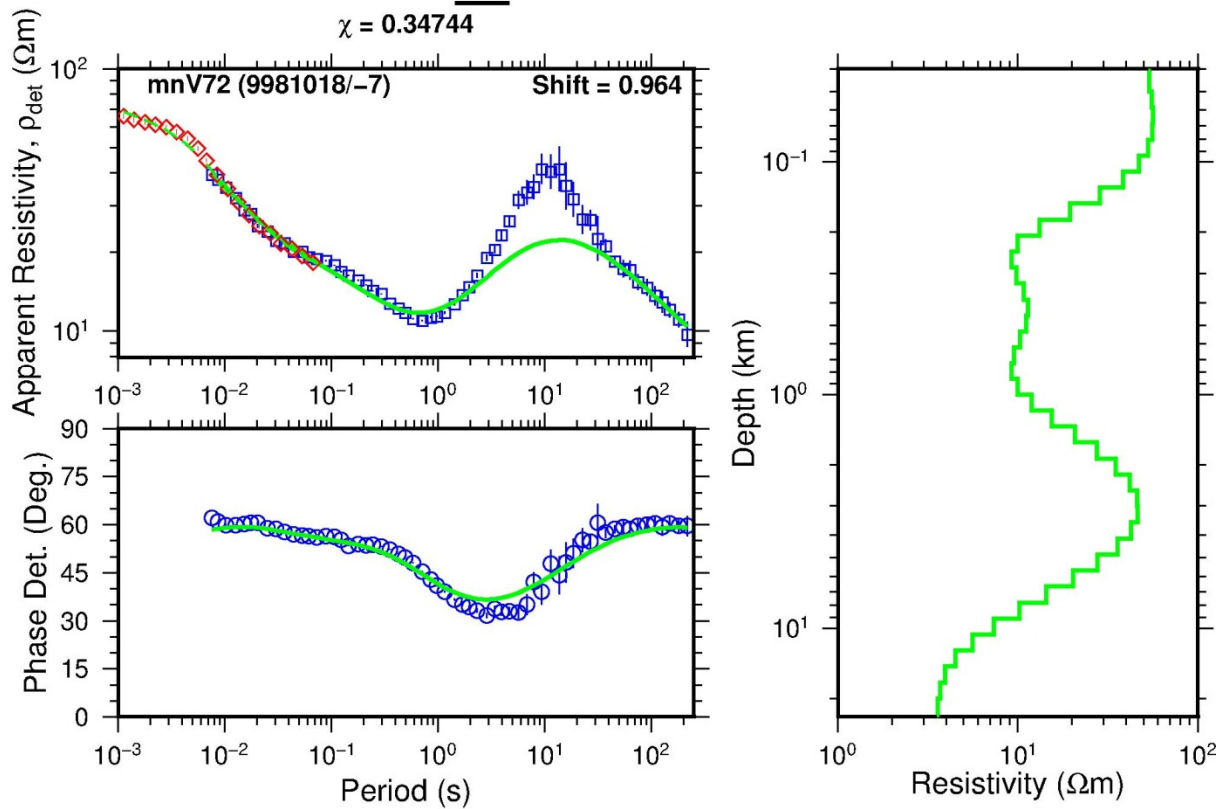
# MN152\_out

$\chi = 0.41104$



# mn153\_out

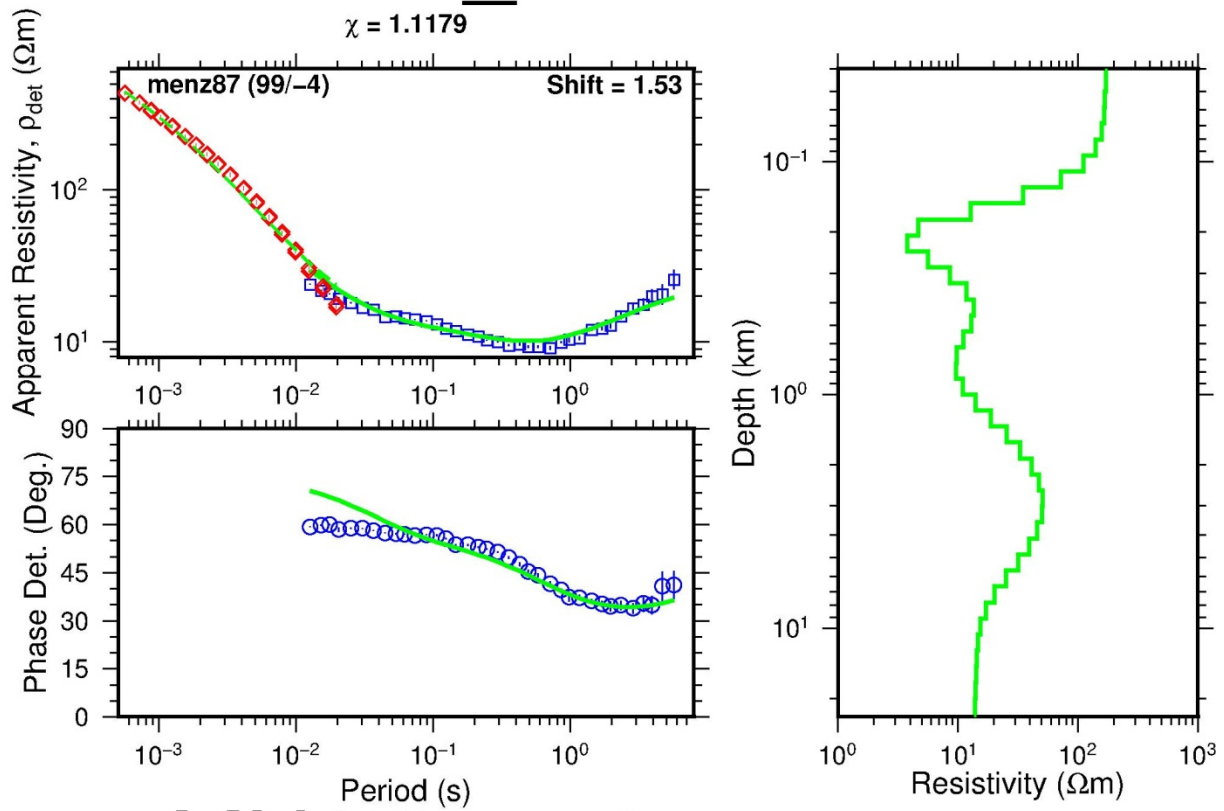
$\chi = 0.34744$





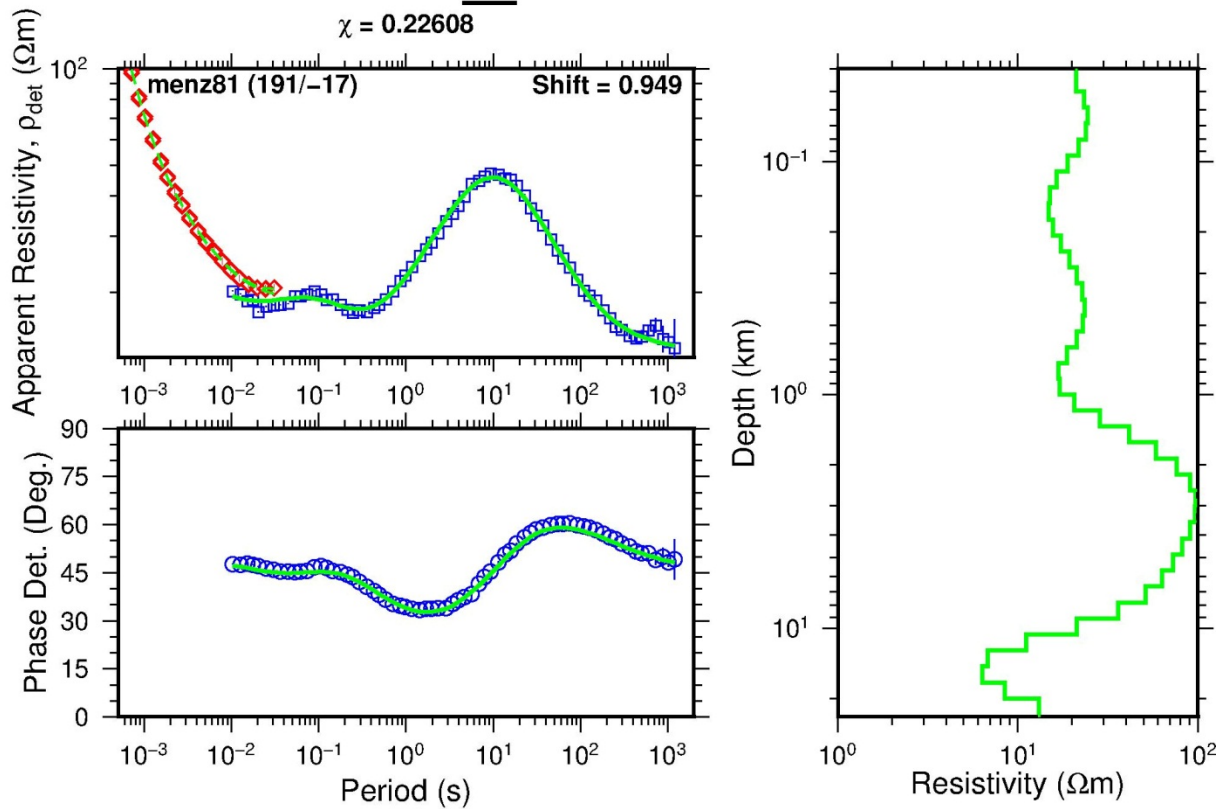
# MN154\_out

$\chi = 1.1179$



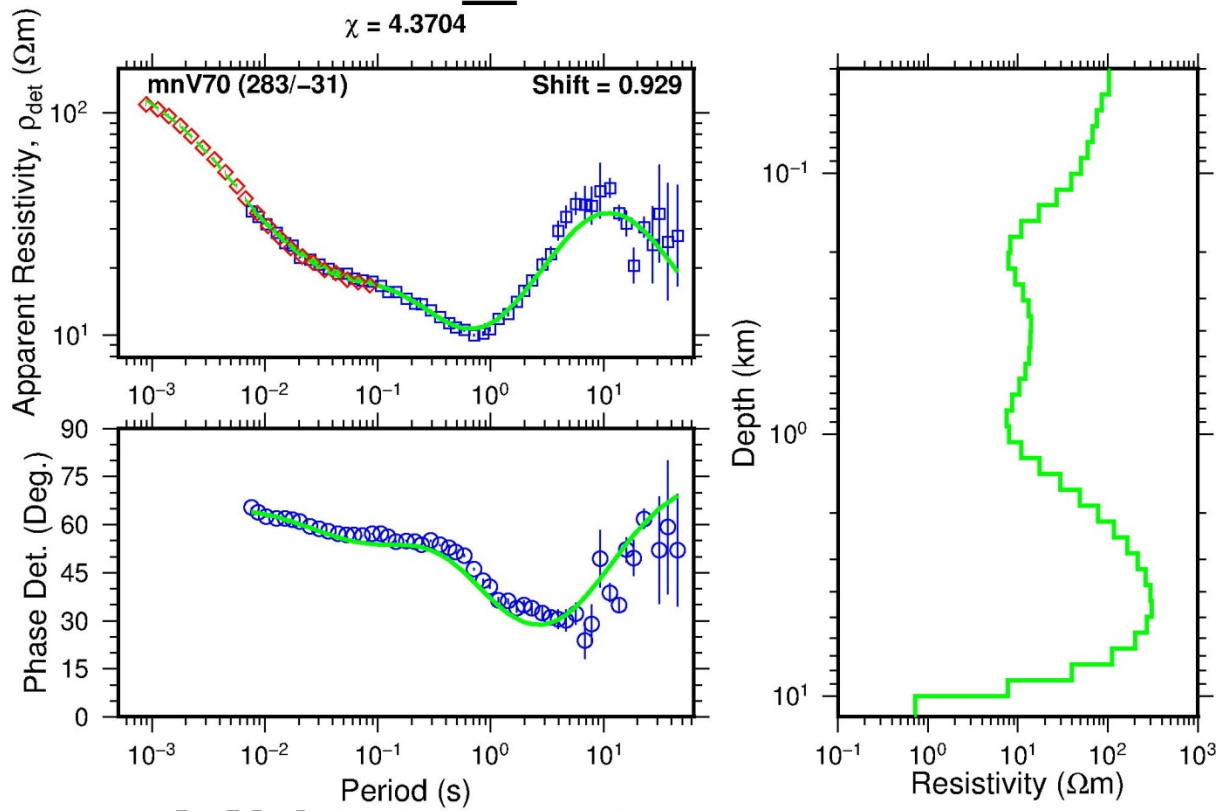
# MN155\_out

$\chi = 0.22608$



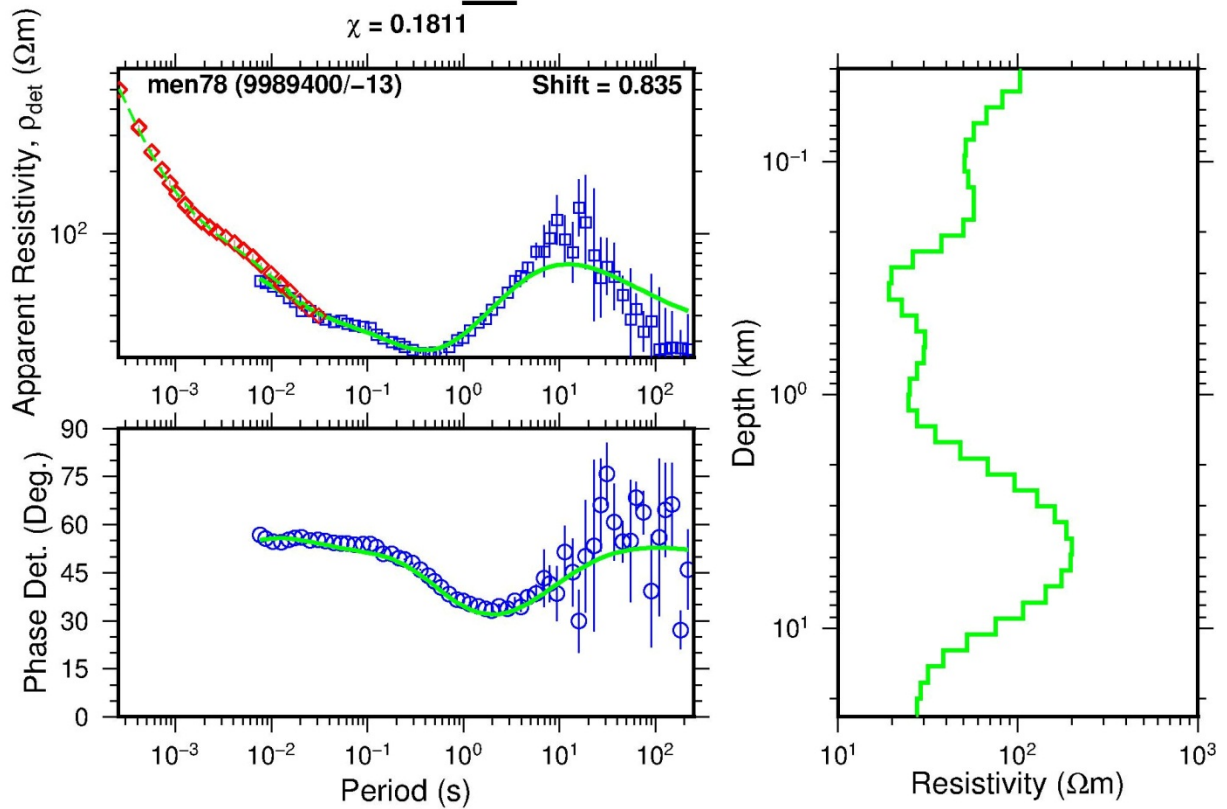
# MN156\_out

$\chi = 4.3704$



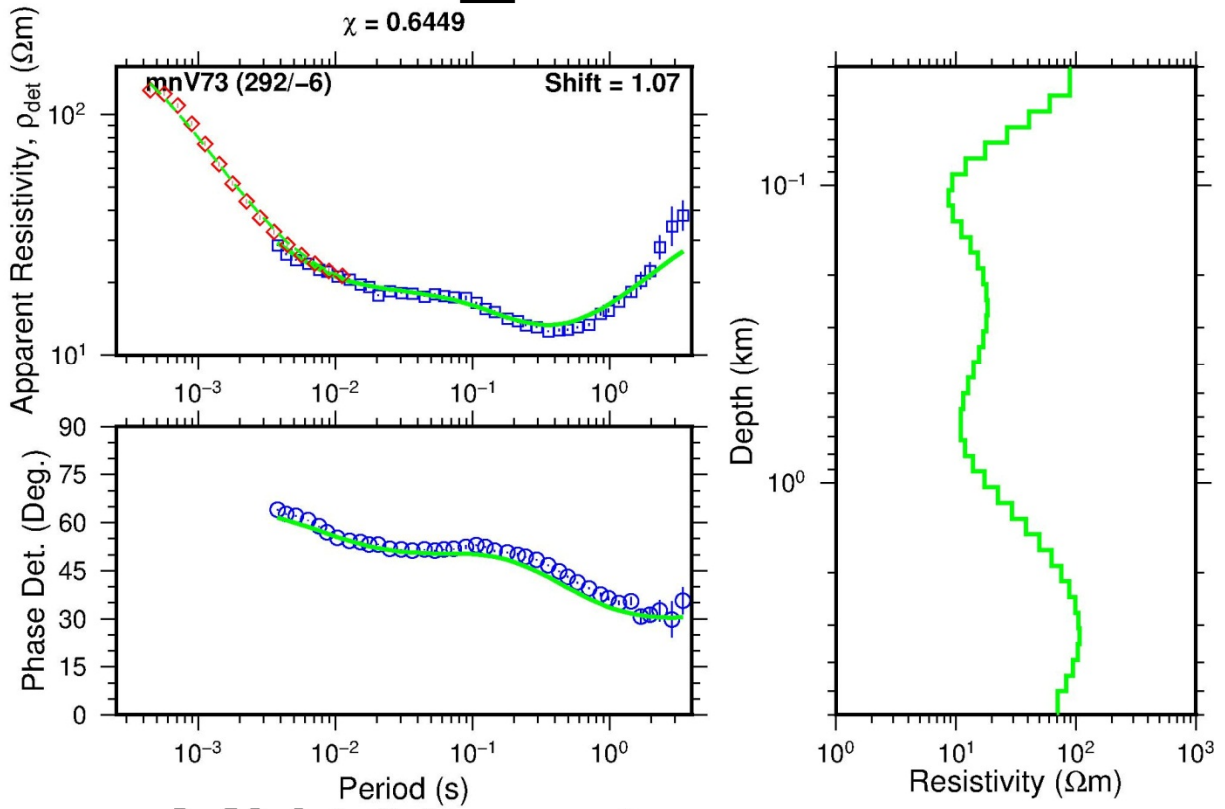
# MN159\_out

$\chi = 0.1811$



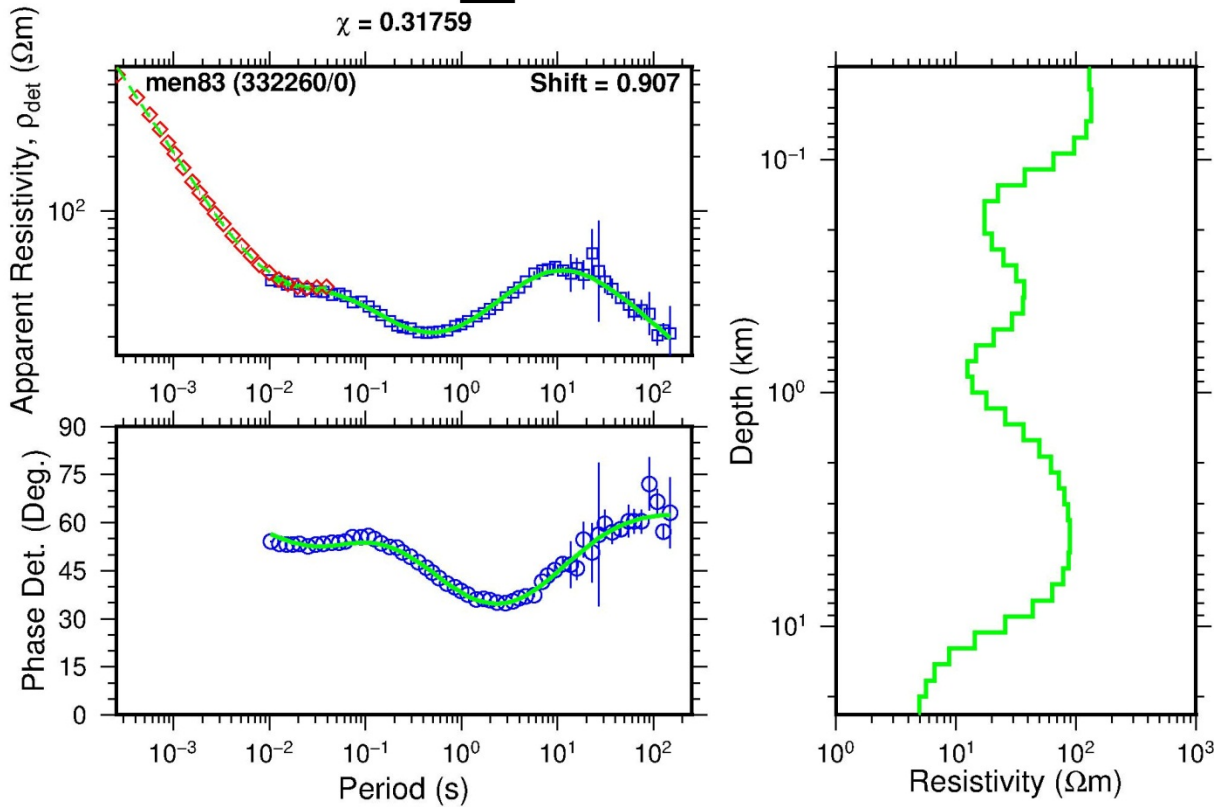
# MN160\_out

$\chi = 0.6449$



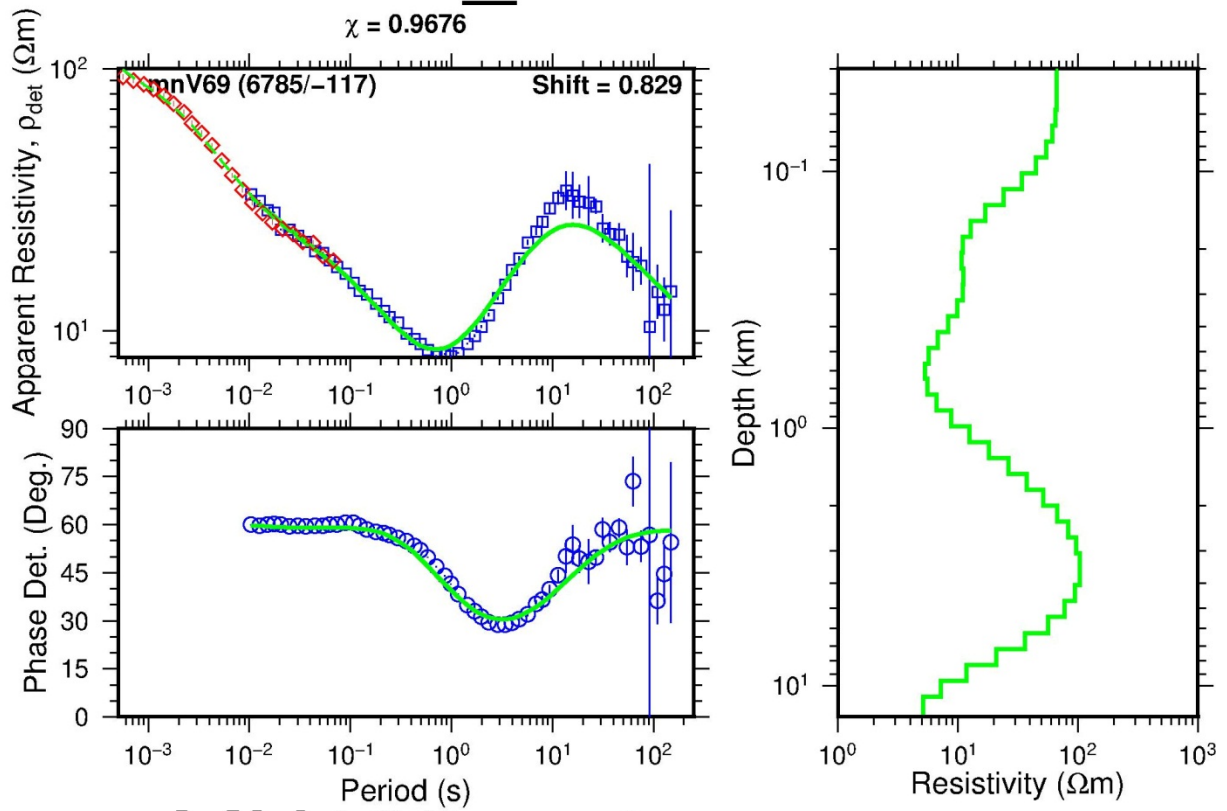
# MN162\_out

$\chi = 0.31759$

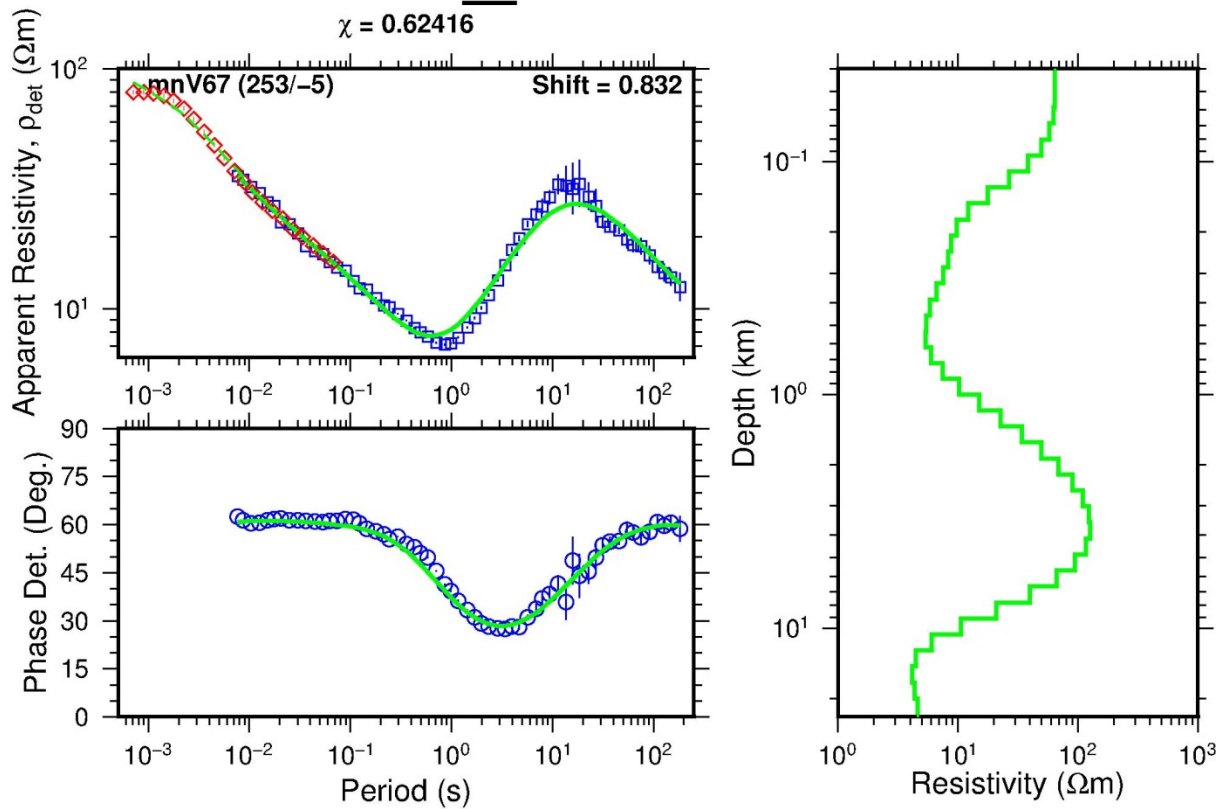




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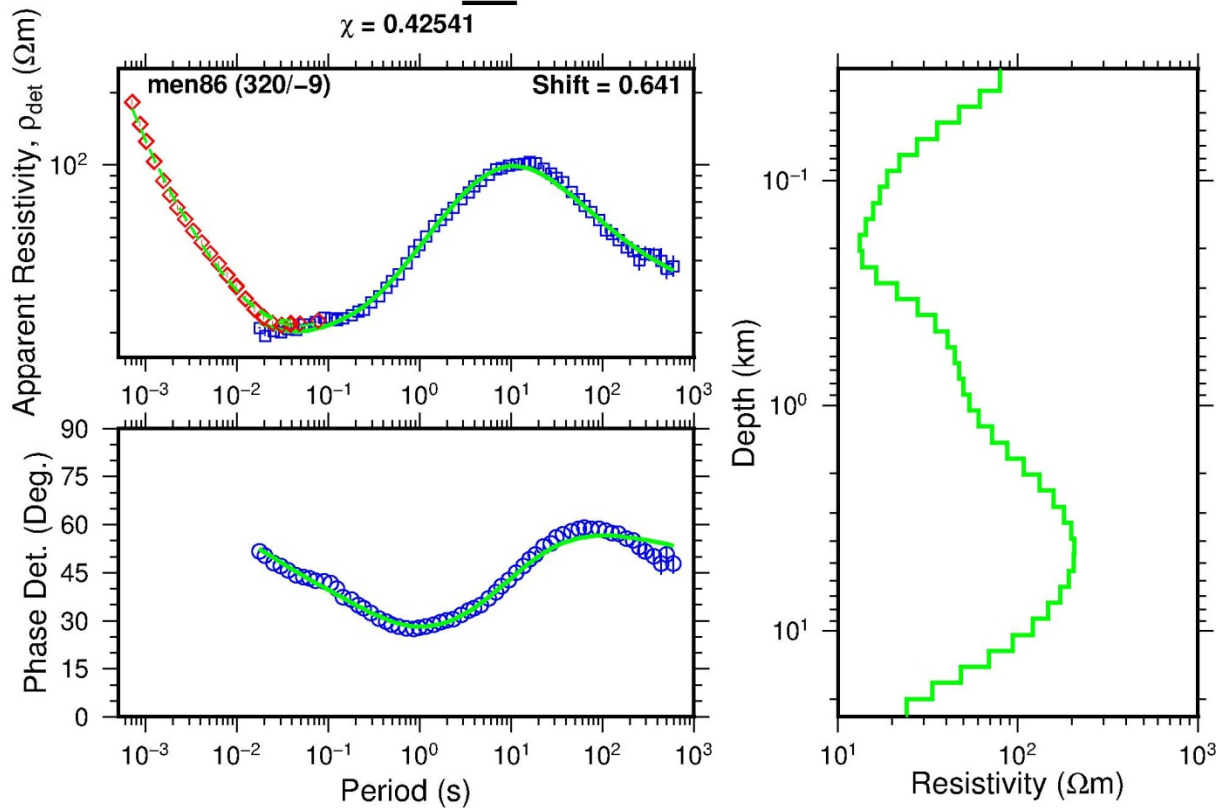


# MN168\_out



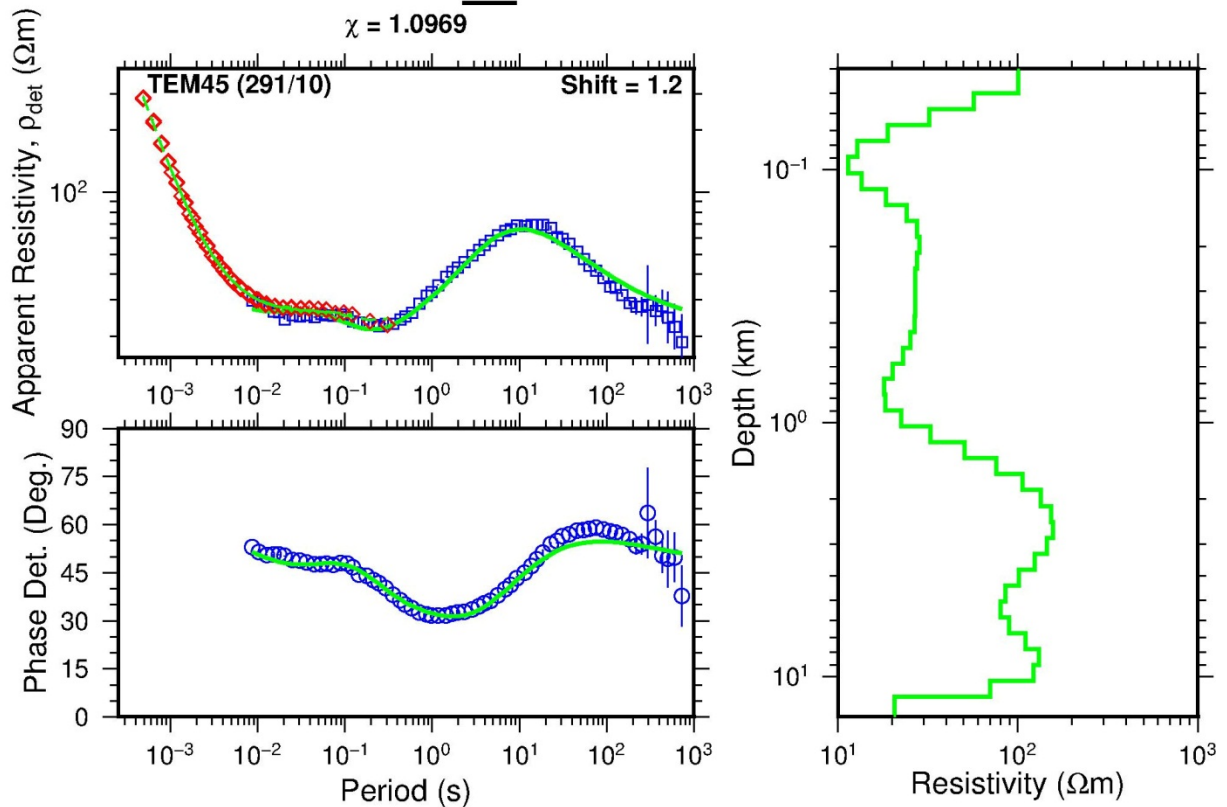
# MN169\_out

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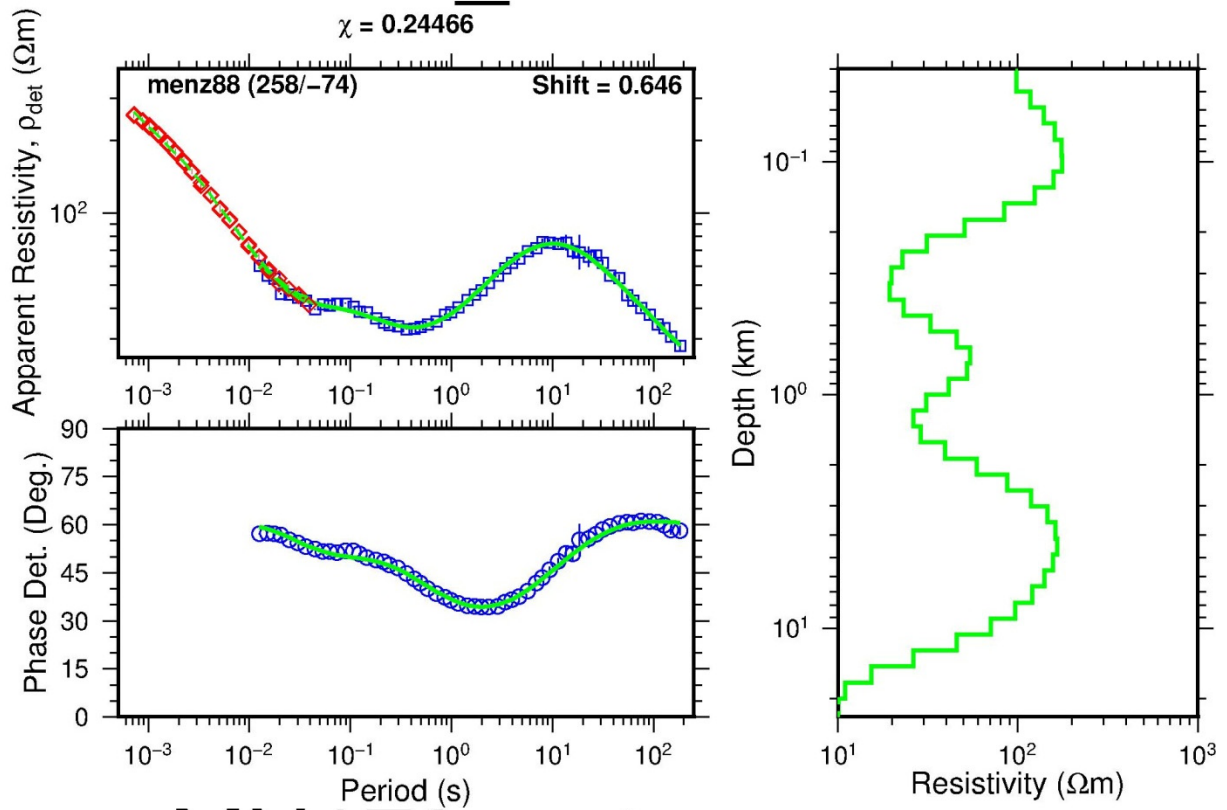


# MN170\_out

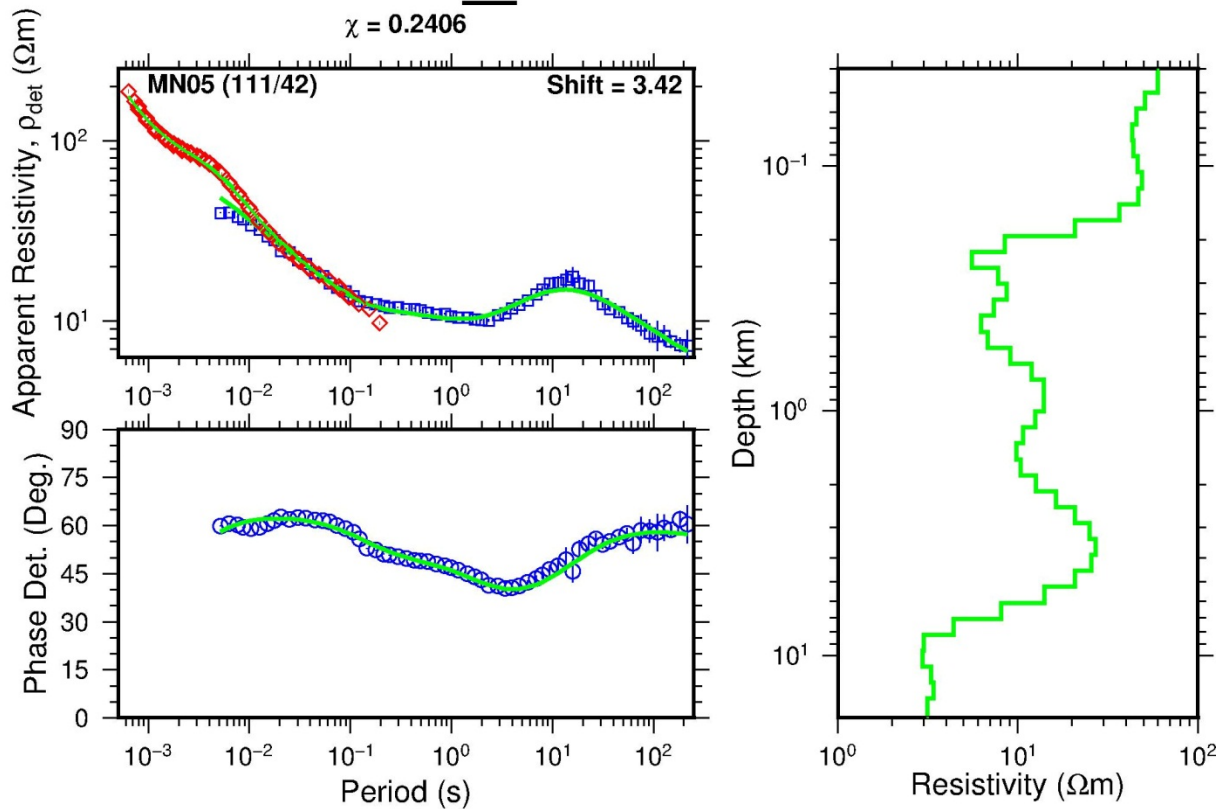
$\chi = 1.0969$



# mn171\_out

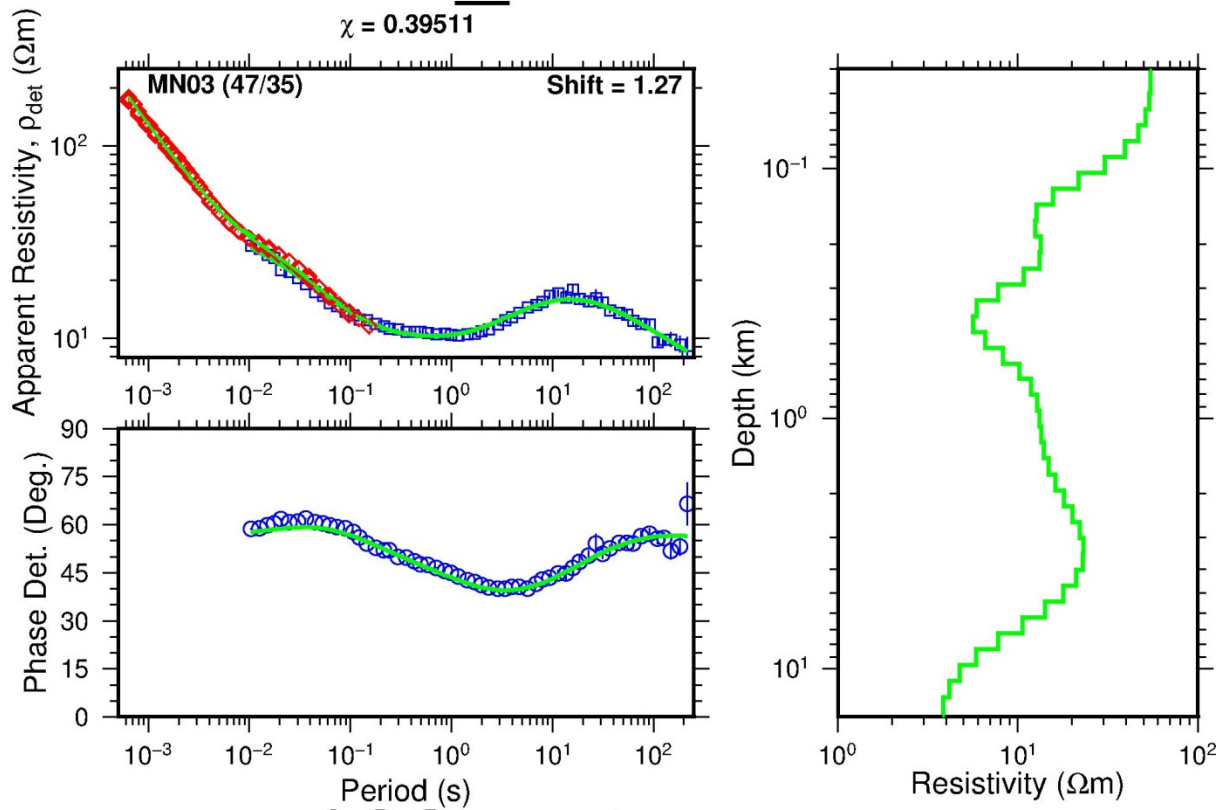


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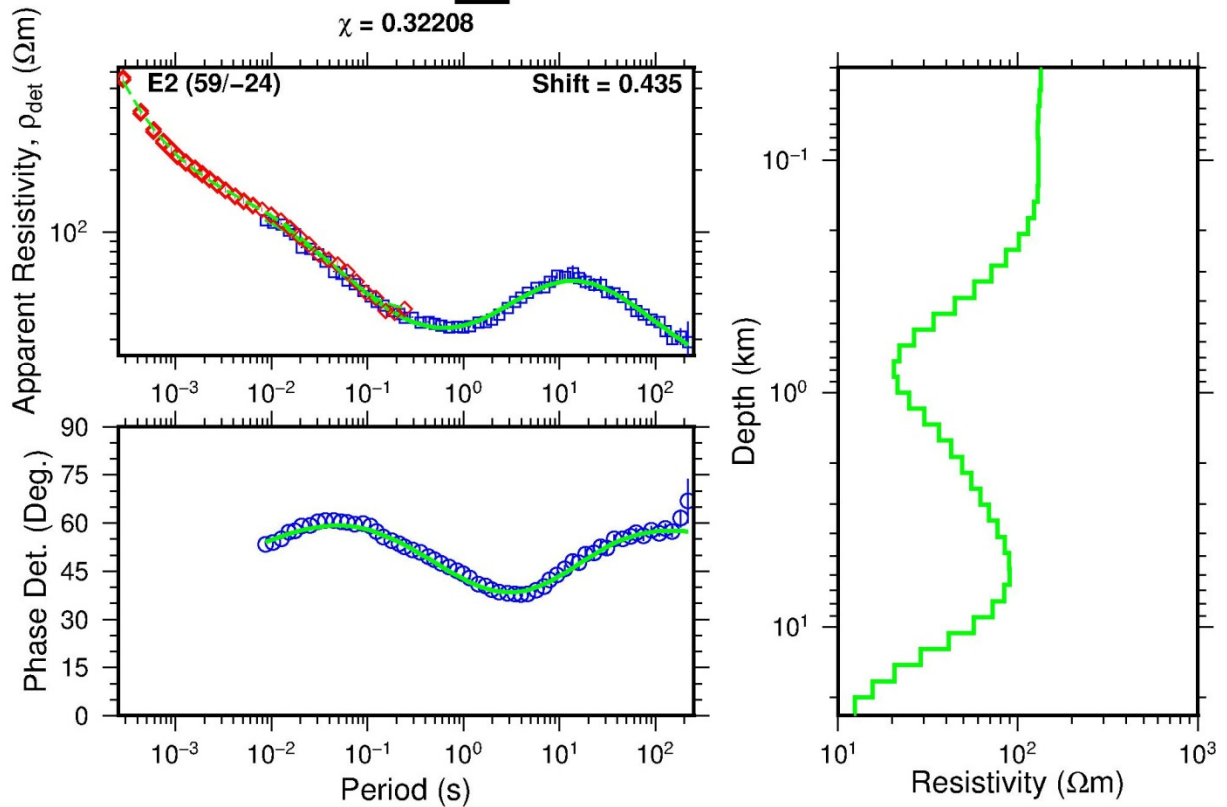
# mn182\_out

$\chi = 0.39511$



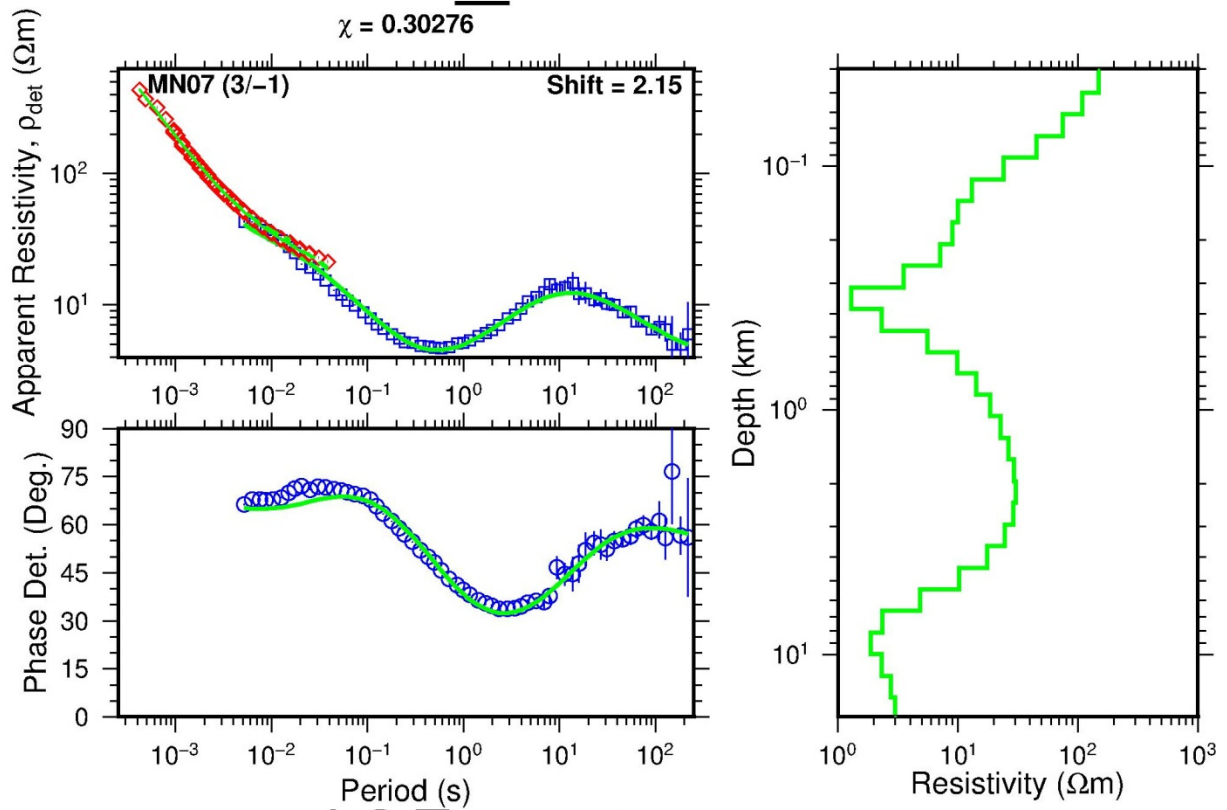
# mn183\_out

$\chi = 0.32208$



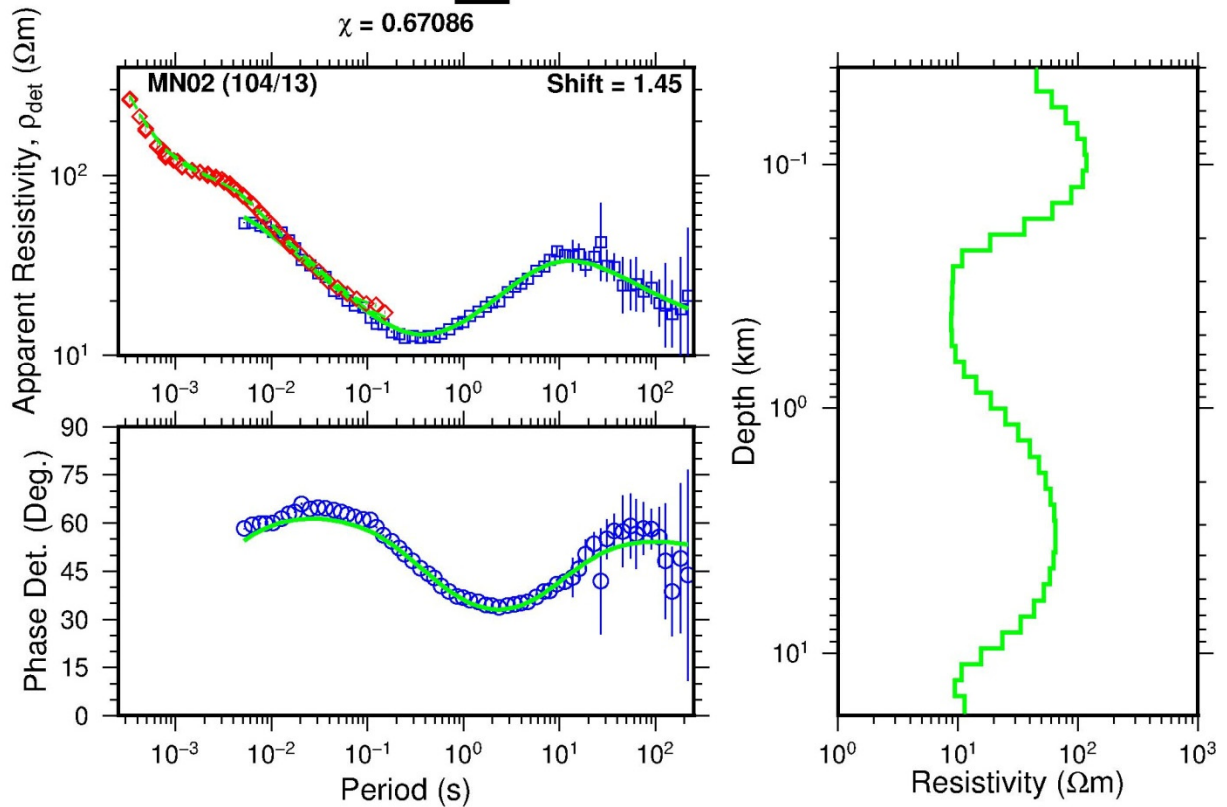
# mn184\_out

$\chi = 0.30276$



# mn185\_out

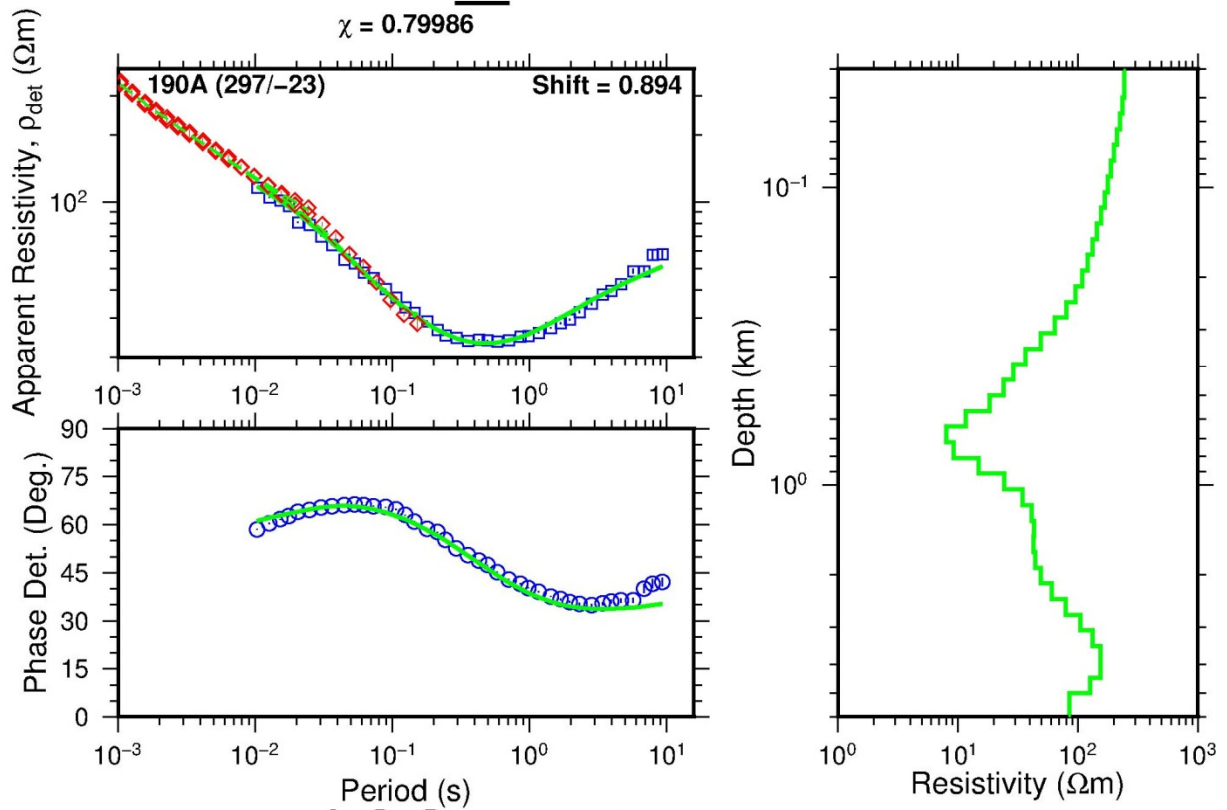
$\chi = 0.67086$





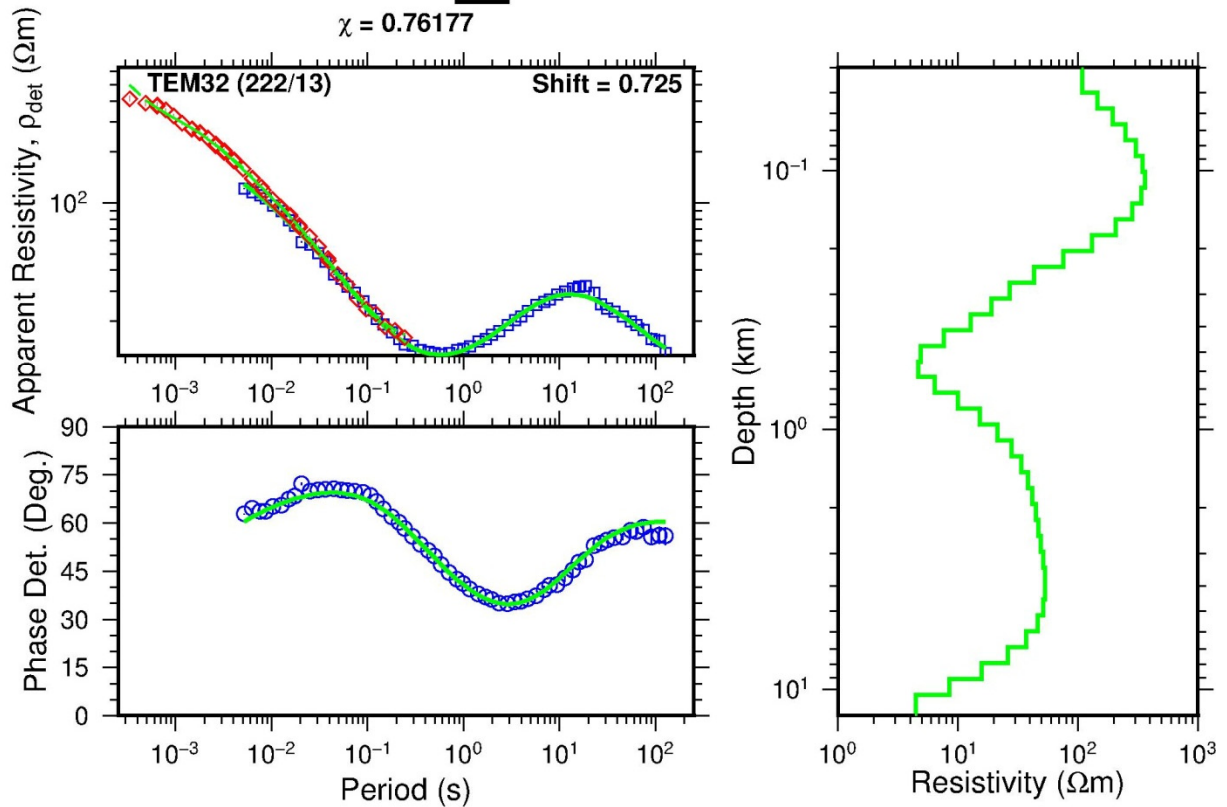
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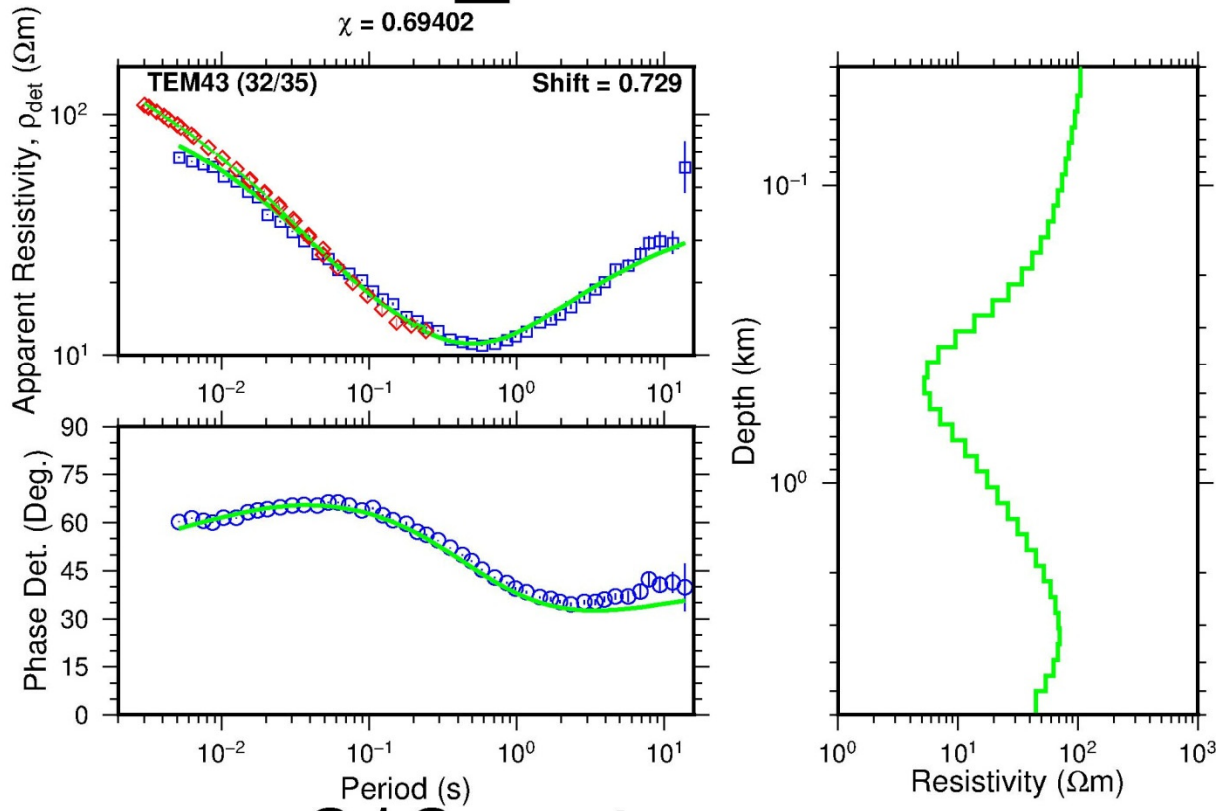
# mn193\_out

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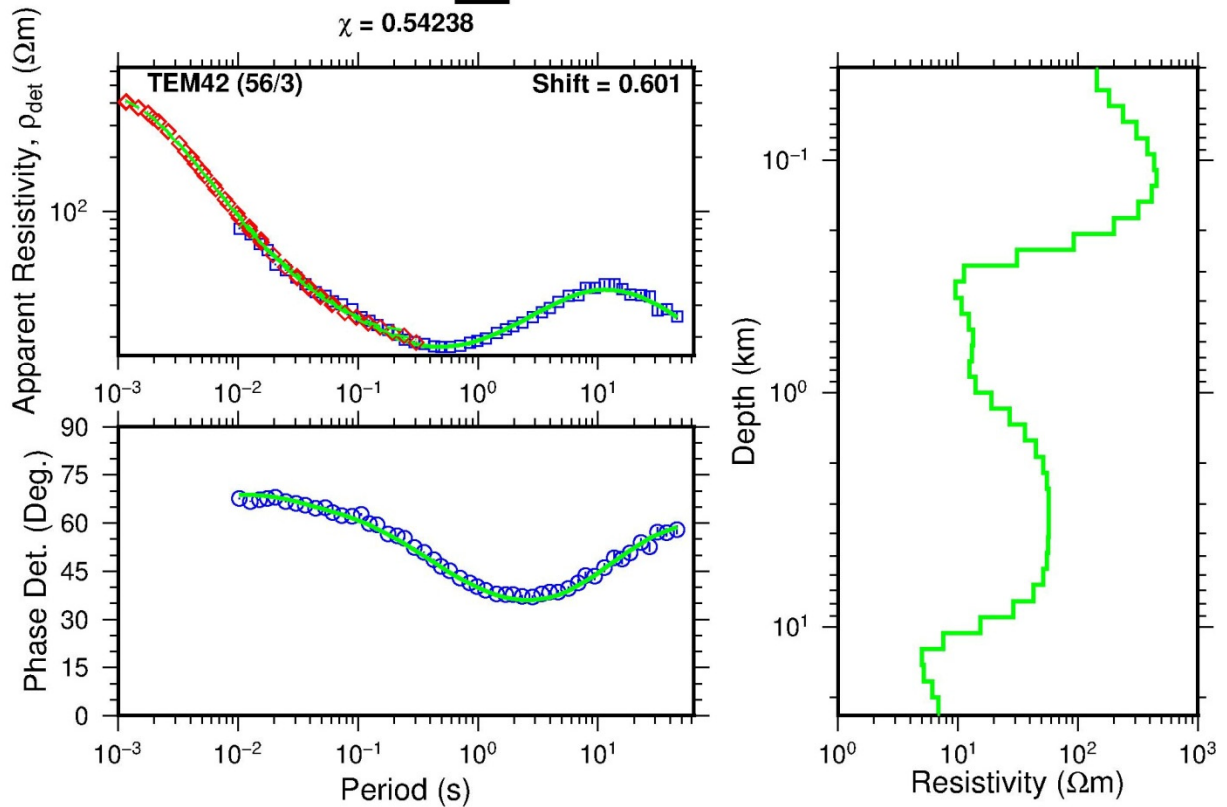
# mn202\_out

$\chi = 0.69402$



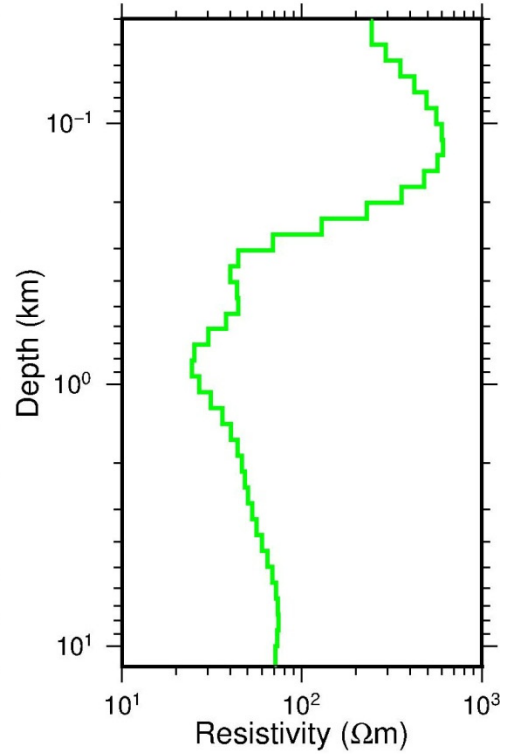
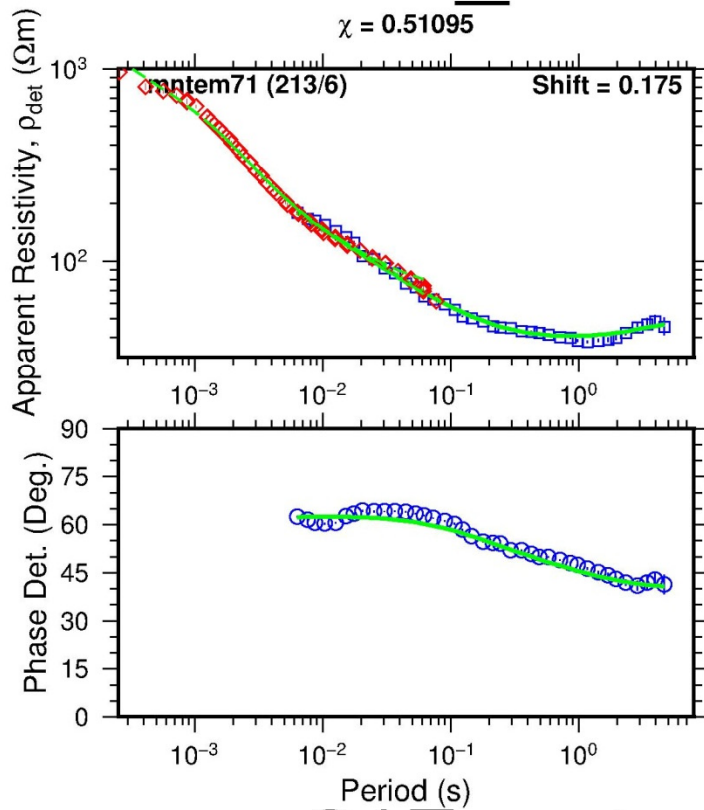
# mn212\_out

$\chi = 0.54238$



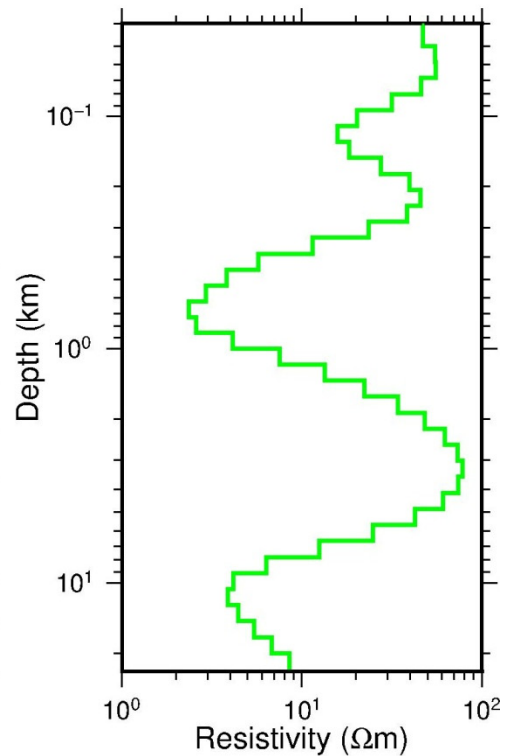
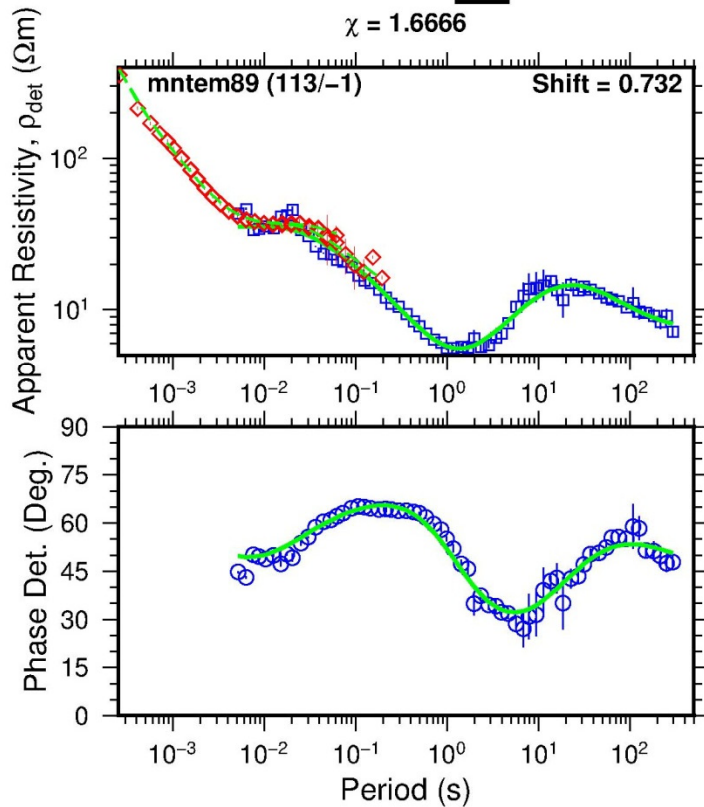
# mn215\_out

$\chi = 0.51095$



# mn217\_out

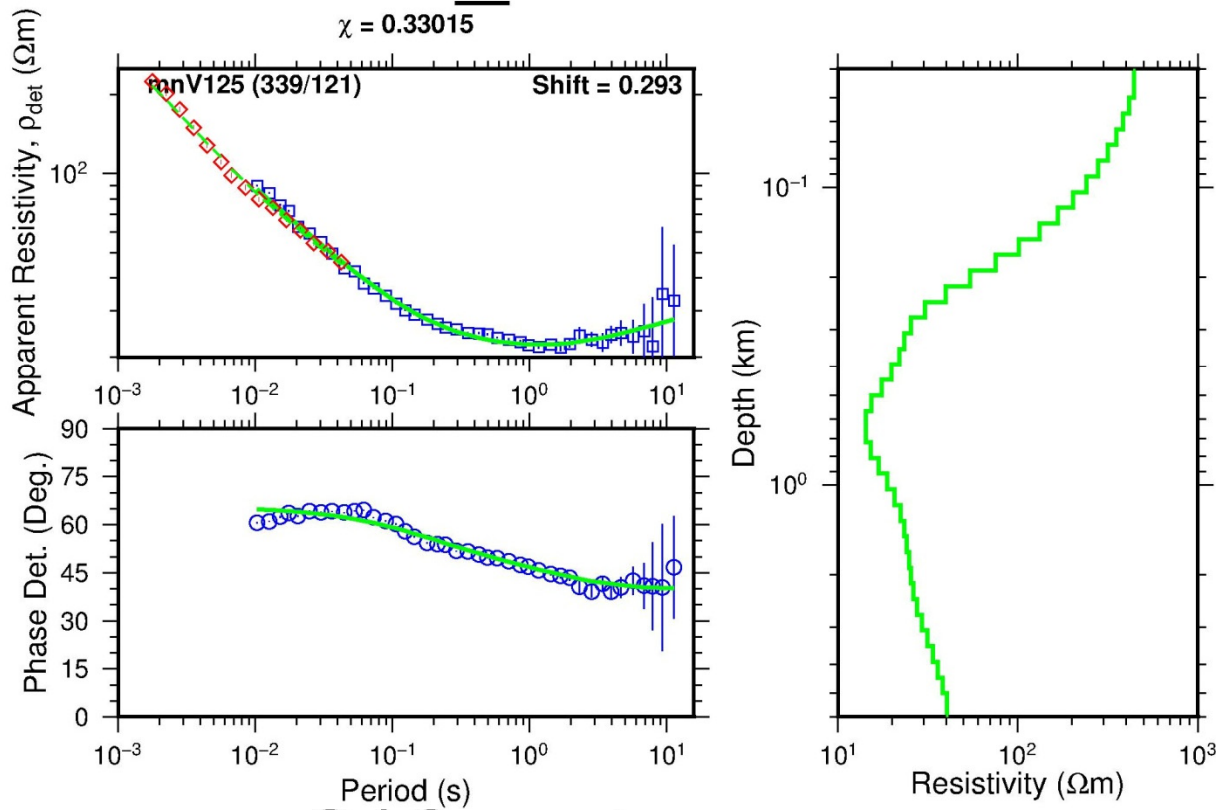
$\chi = 1.6666$





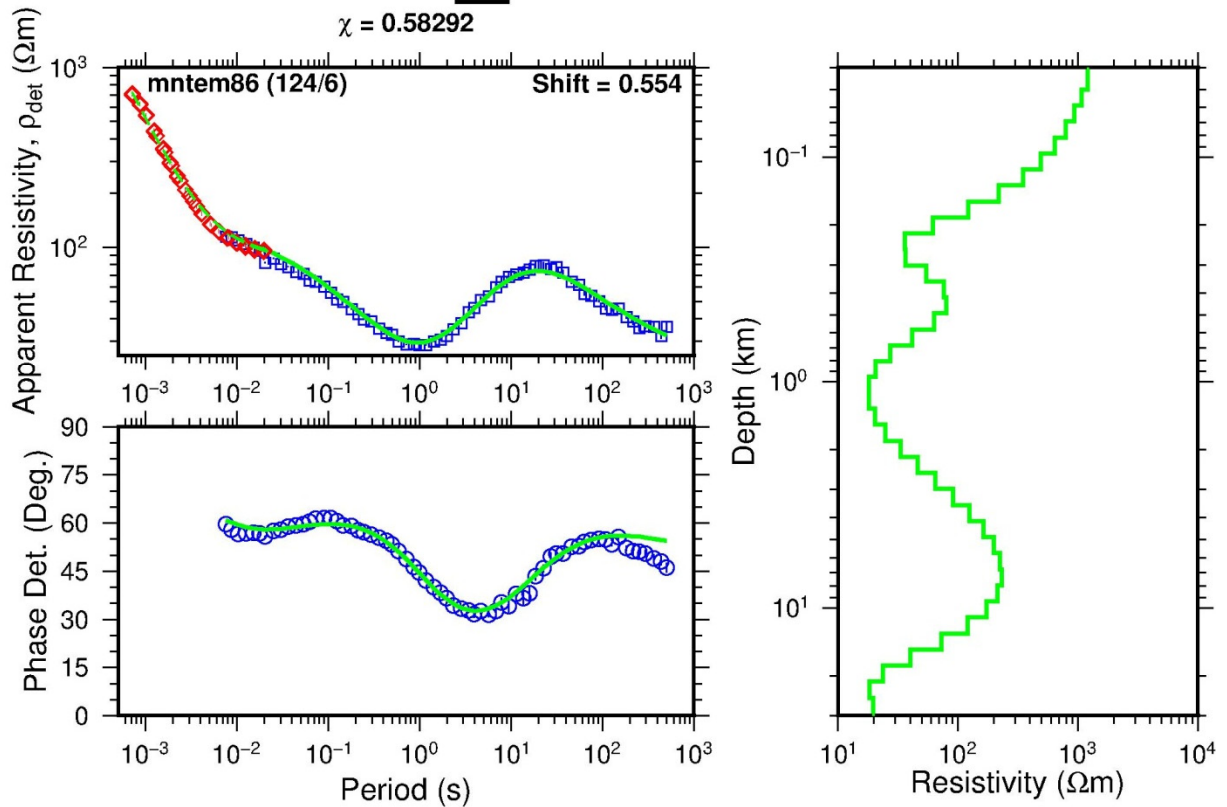
# mn218\_out

$\chi = 0.33015$



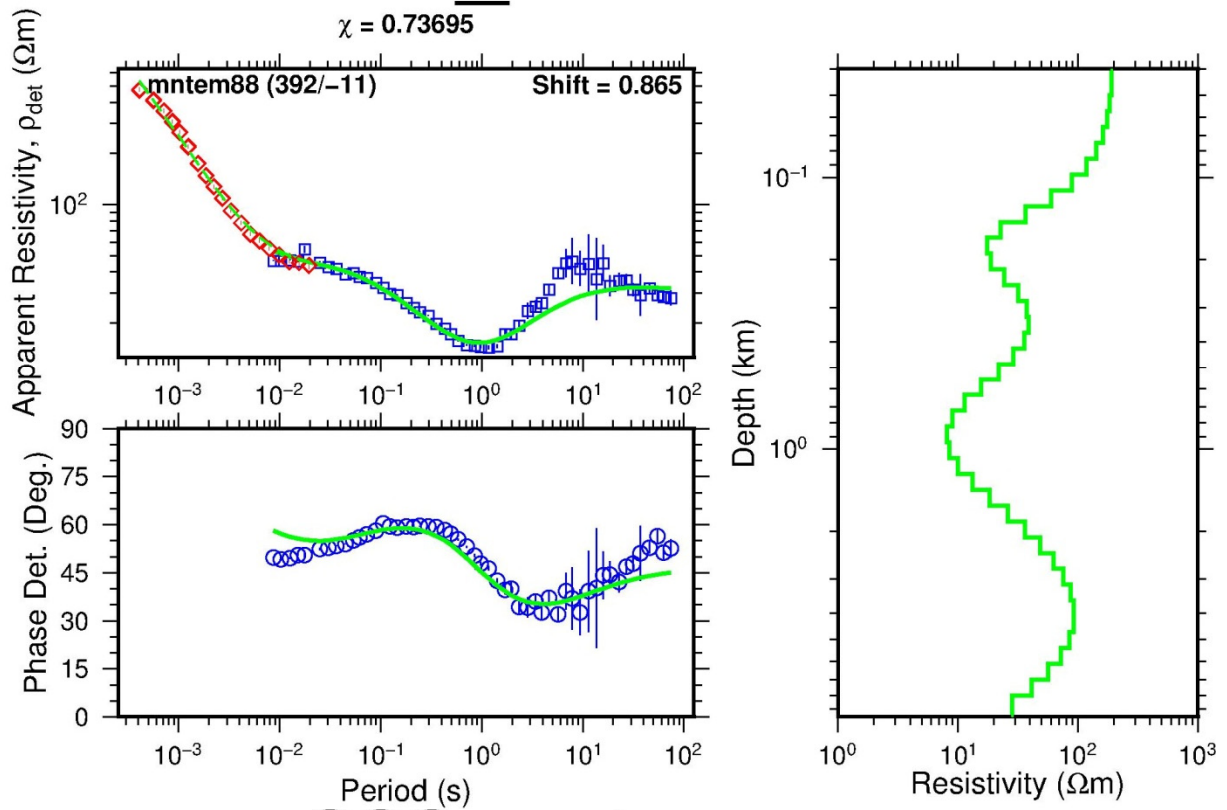
# mn219\_out

$\chi = 0.58292$



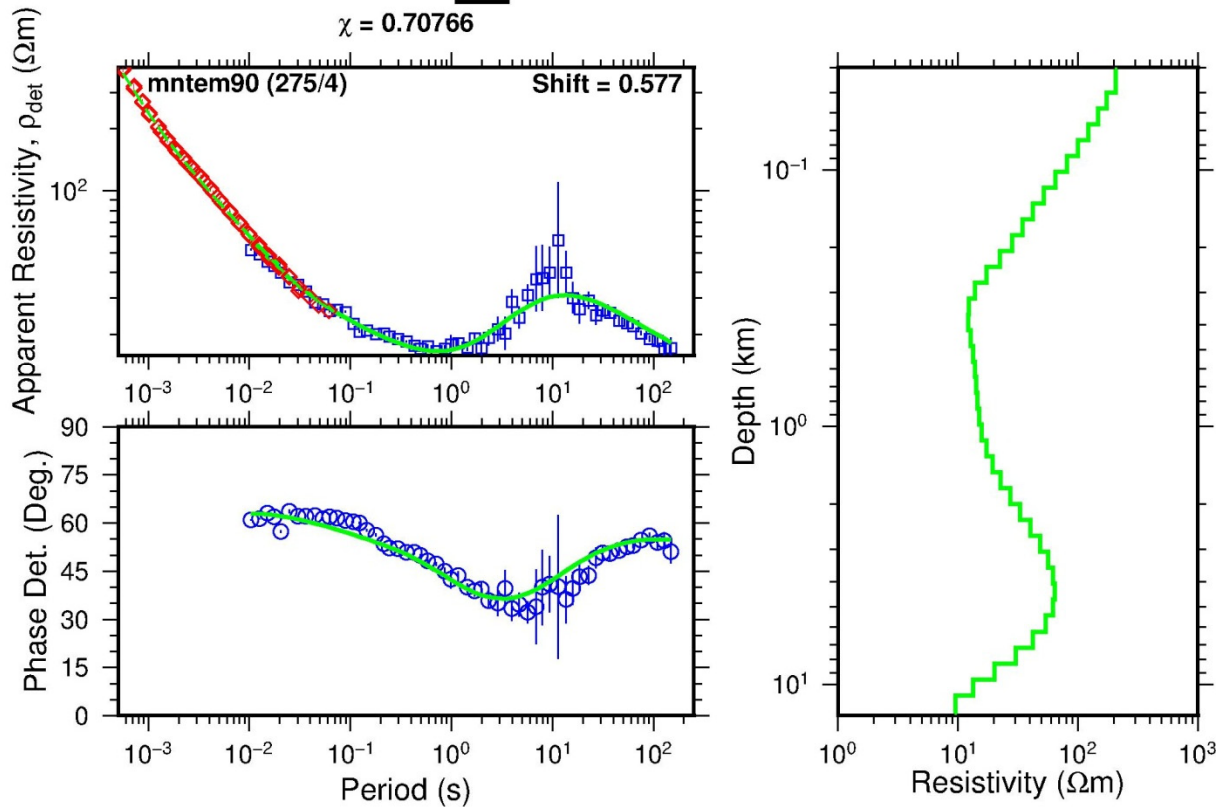
# mn220\_out

$\chi = 0.73695$



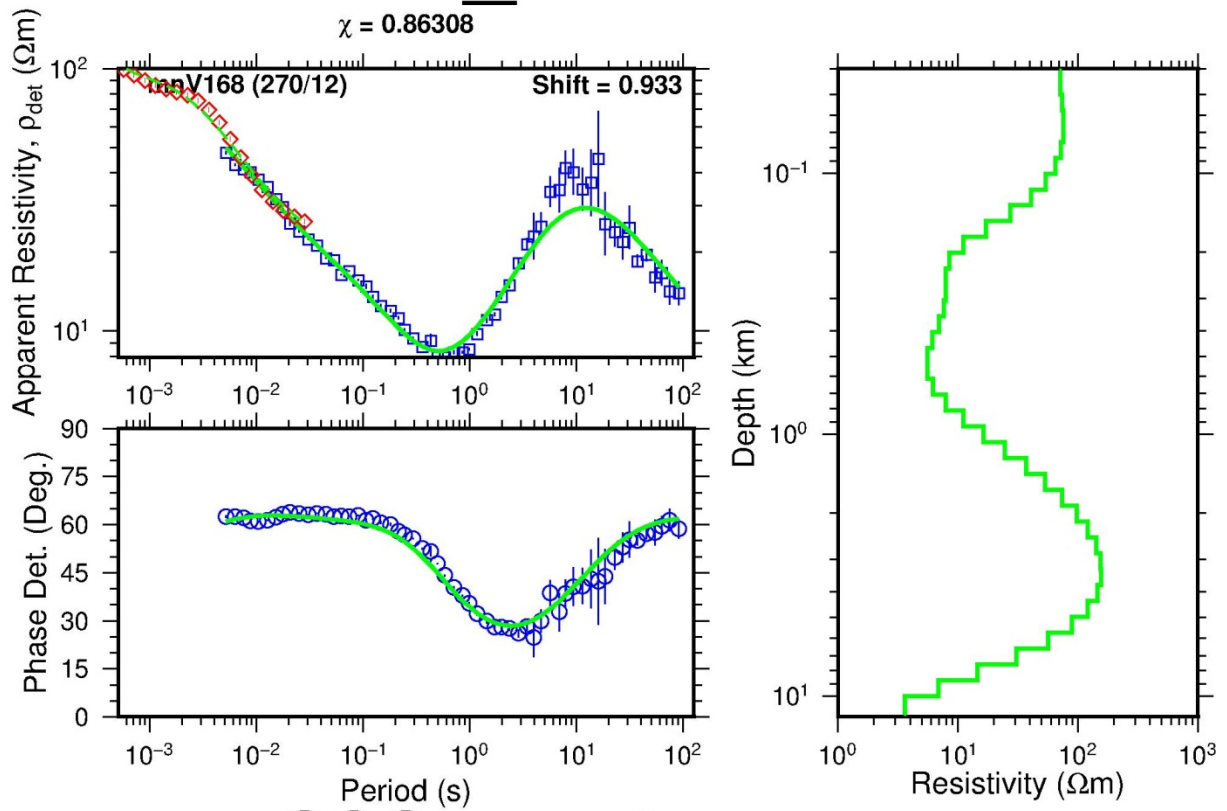
# mn222\_out

$\chi = 0.70766$



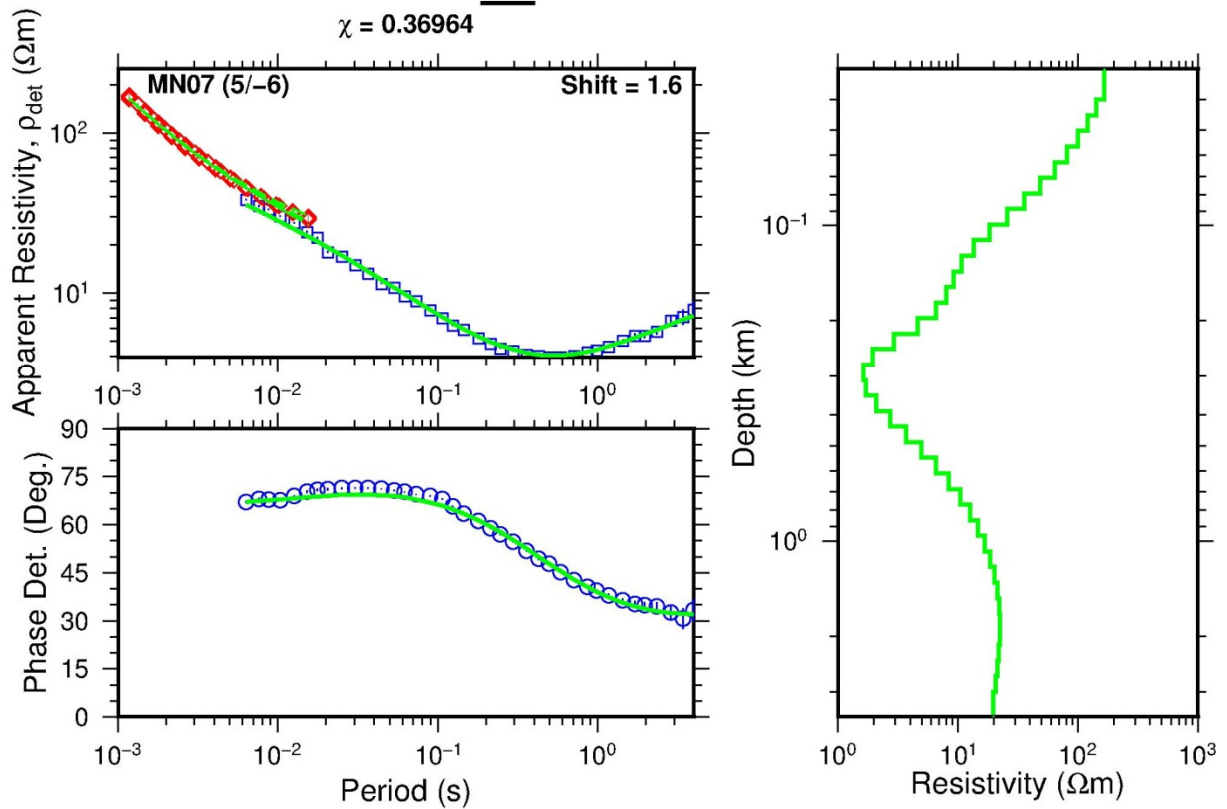
# MN264\_out

$\chi = 0.86308$



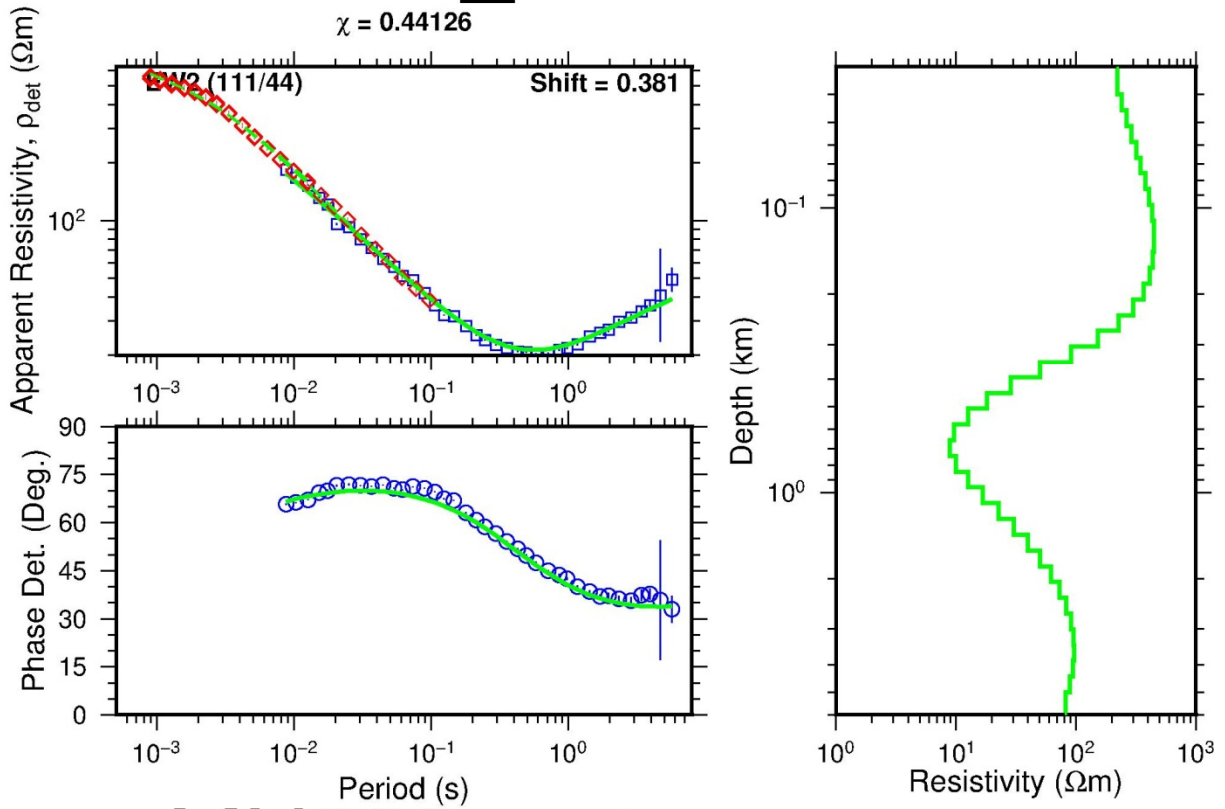
# mn298a\_out

$\chi = 0.36964$



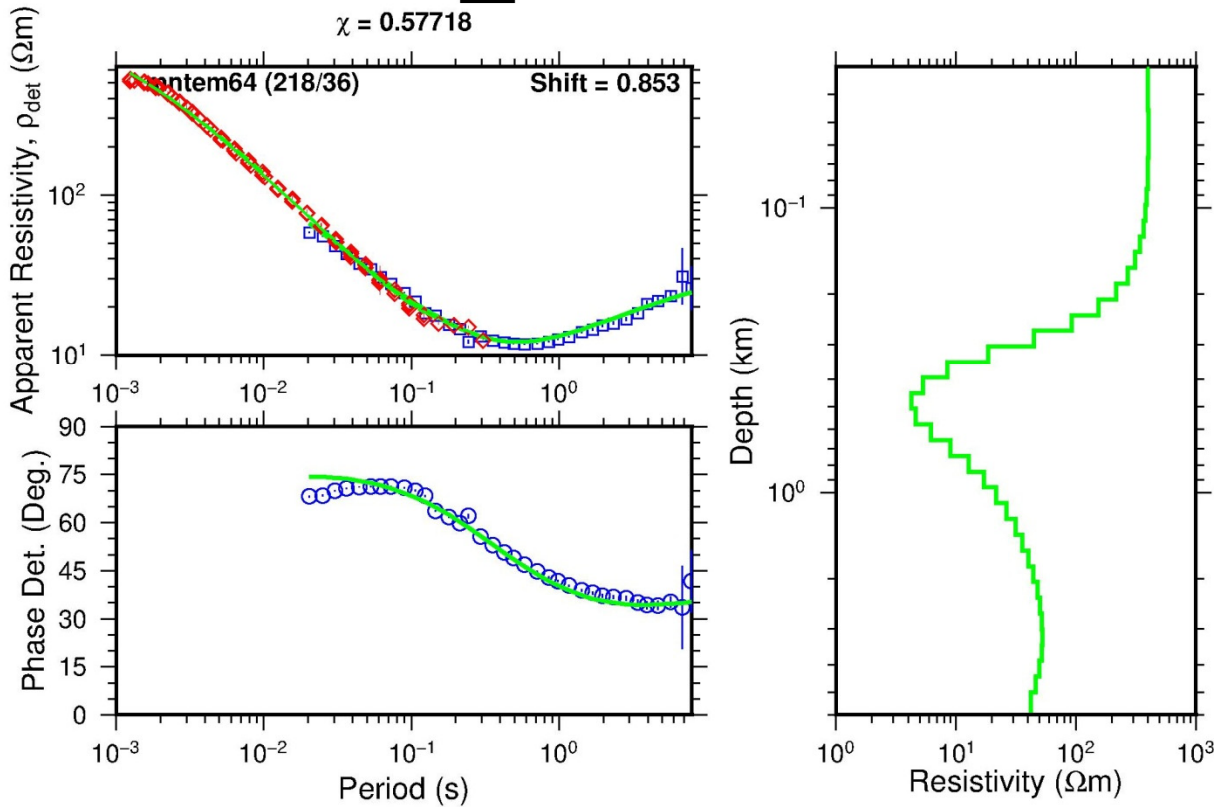
# MN299\_out

$\chi = 0.44126$



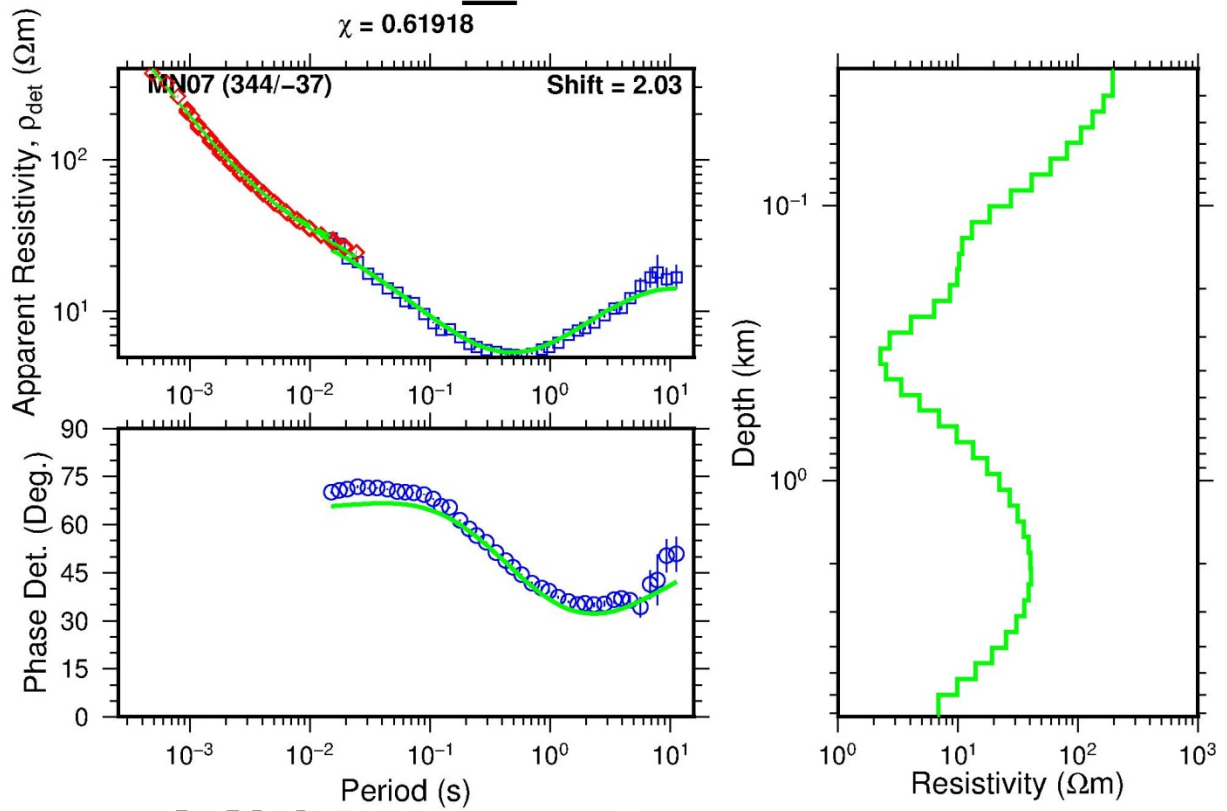
# MN300\_out

$\chi = 0.57718$



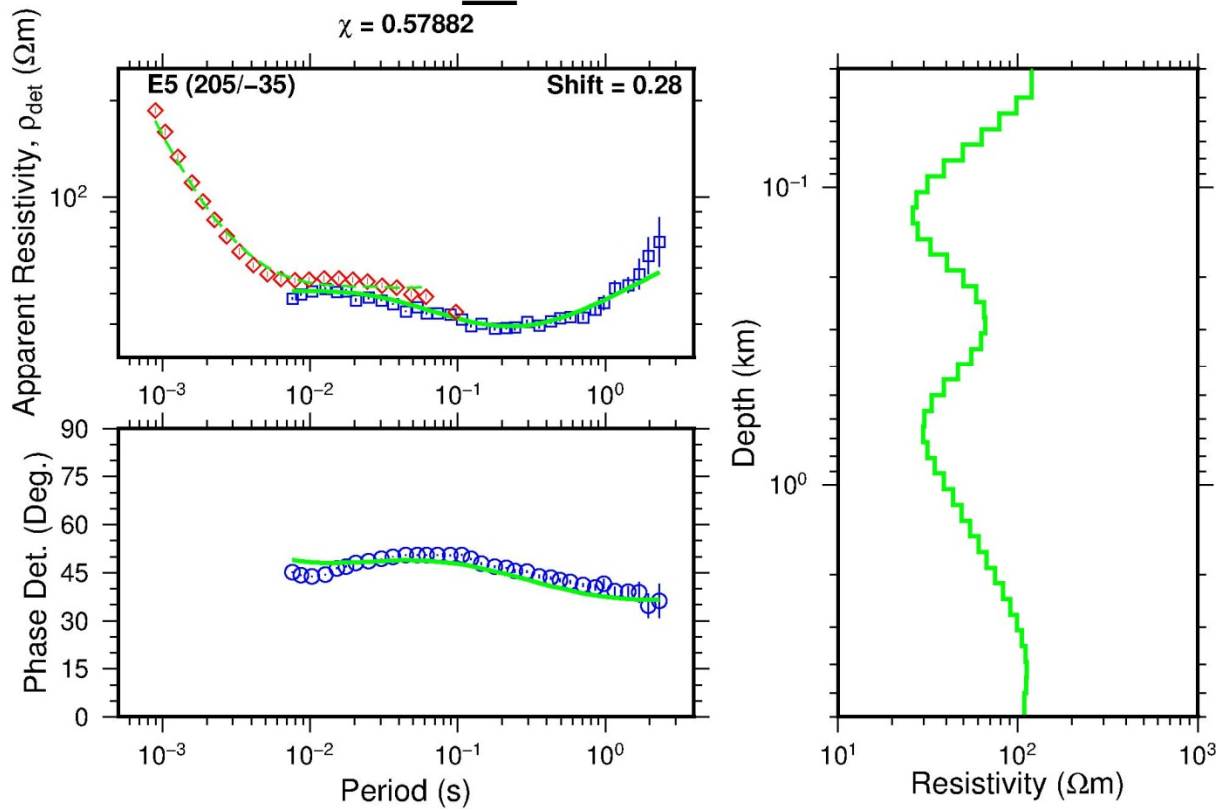
# MN301\_out

$\chi = 0.61918$



# MN359\_out

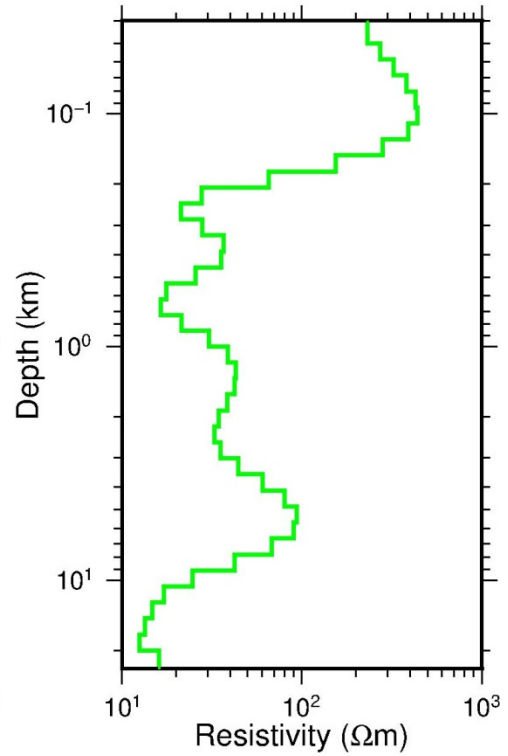
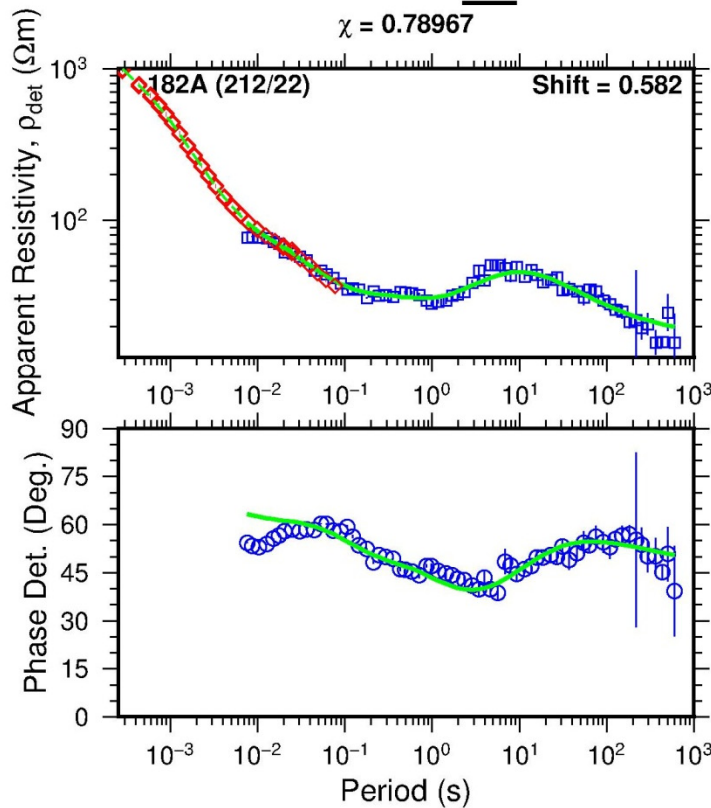
$\chi = 0.57882$





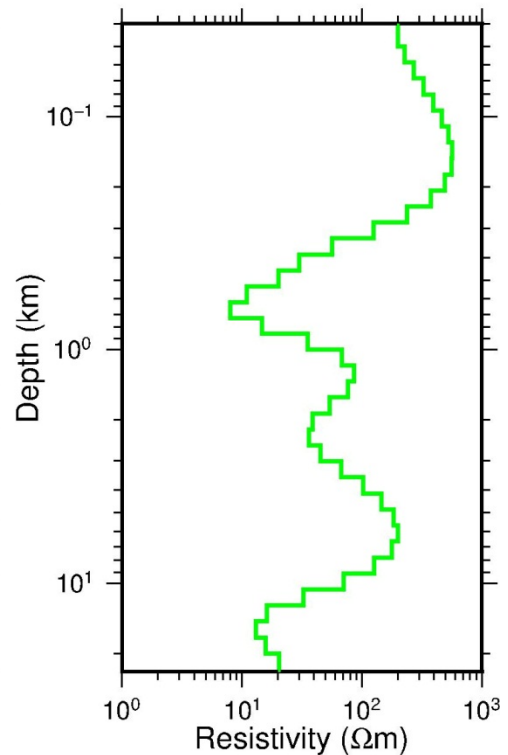
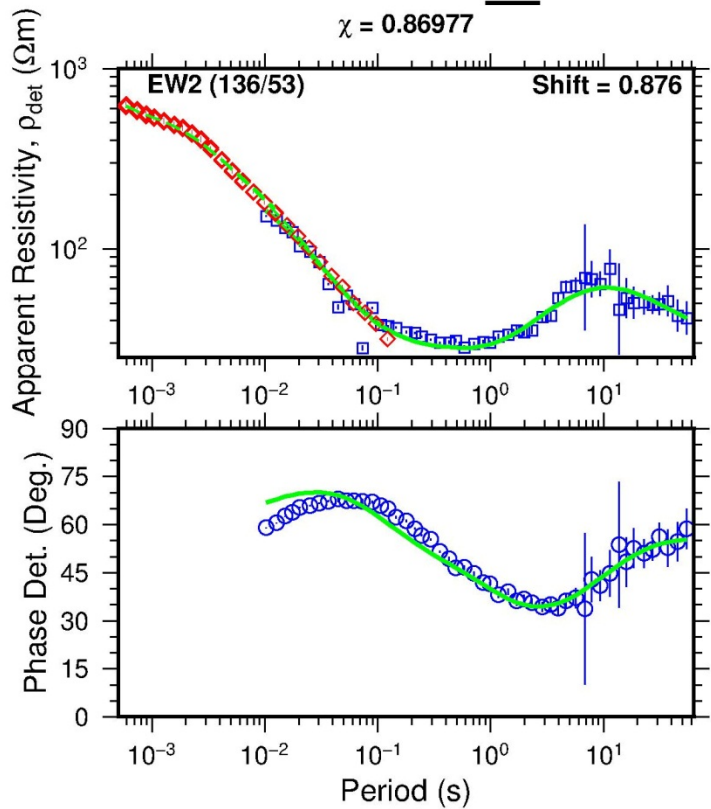
# MN360\_out

$\chi = 0.78967$



# MNEW2\_out

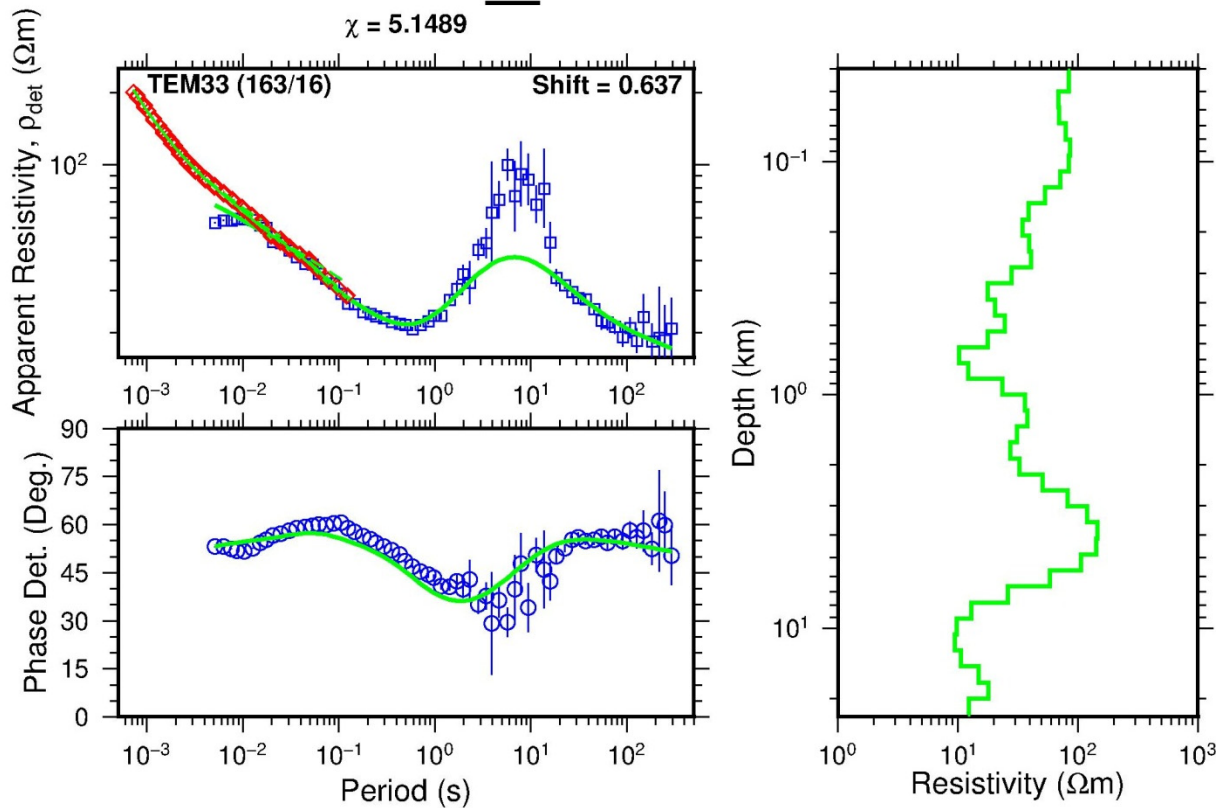
$\chi = 0.86977$





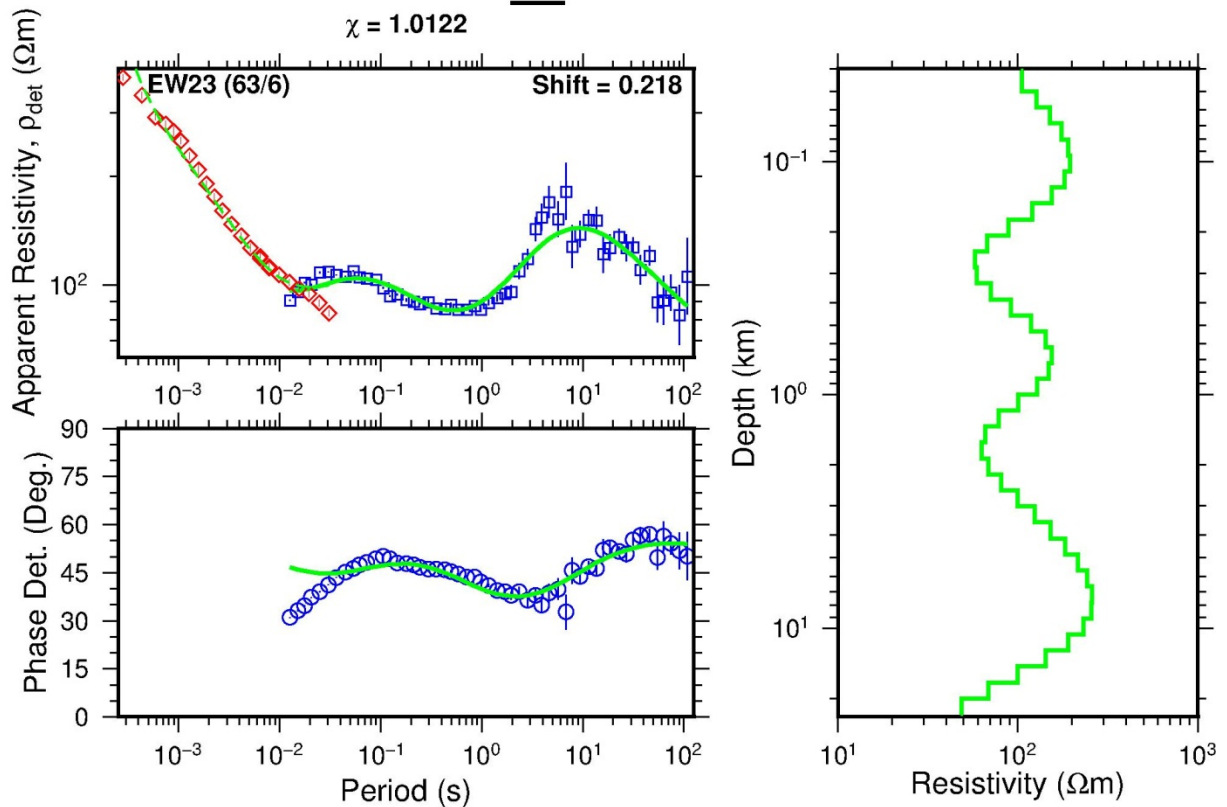
# MNEW3\_out

$\chi = 5.1489$



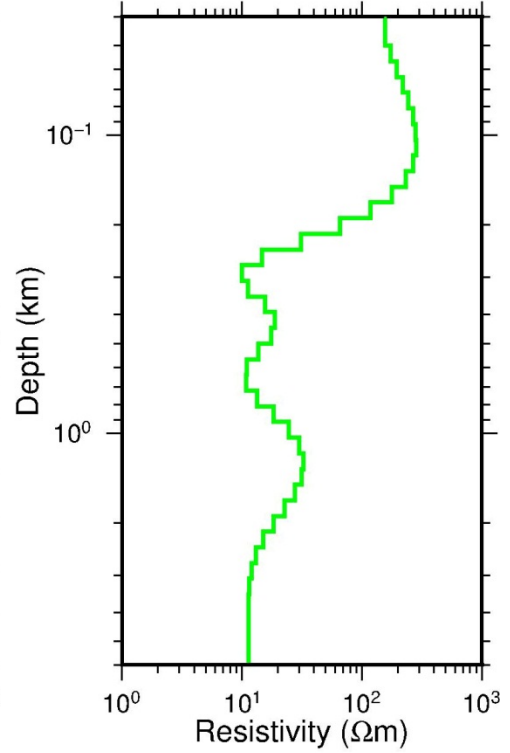
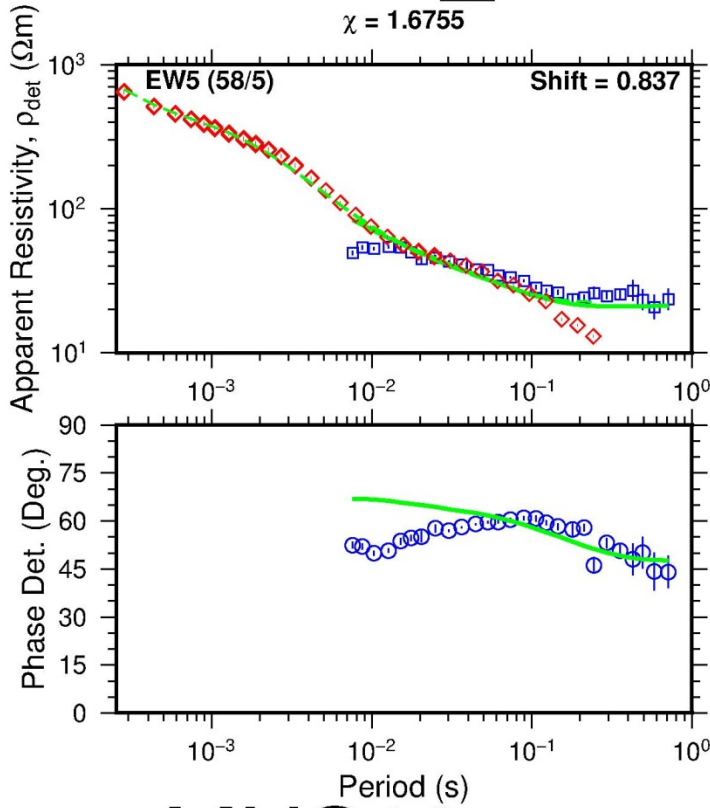
# MNEW24\_out

$\chi = 1.0122$



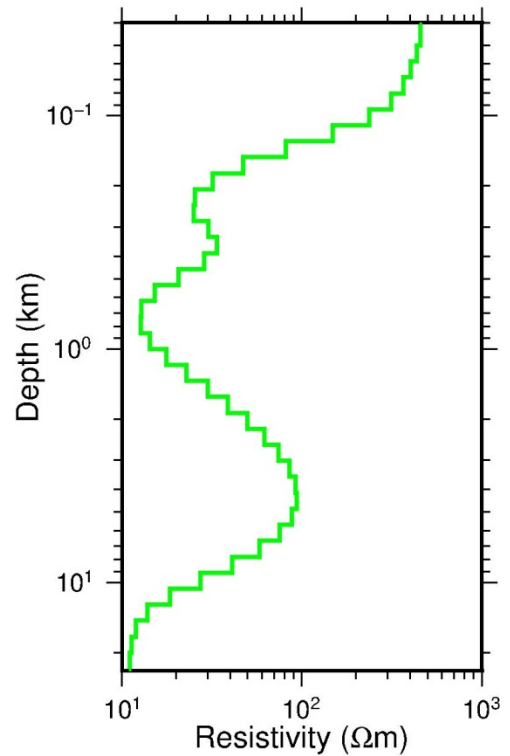
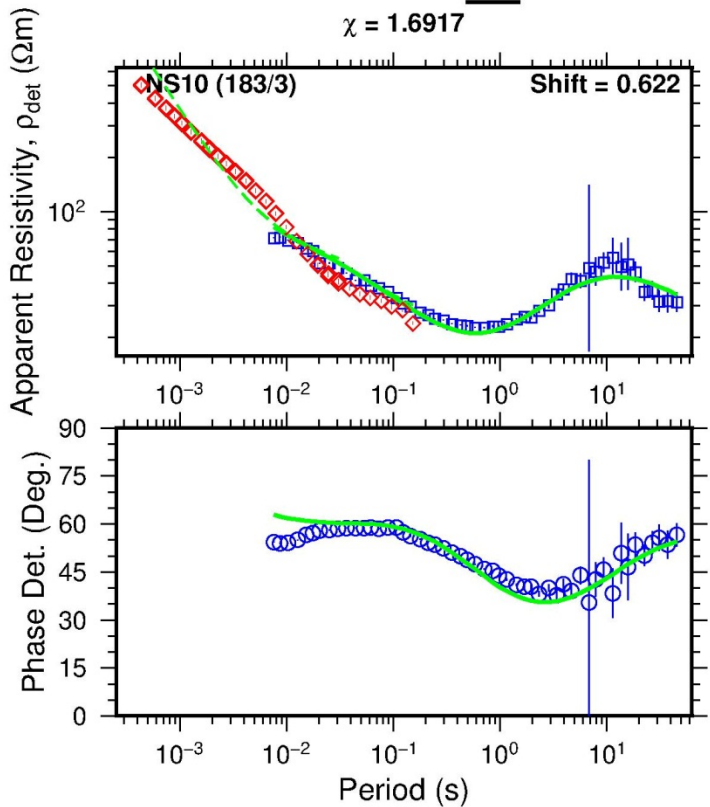
# MNS5\_out

$\chi = 1.6755$



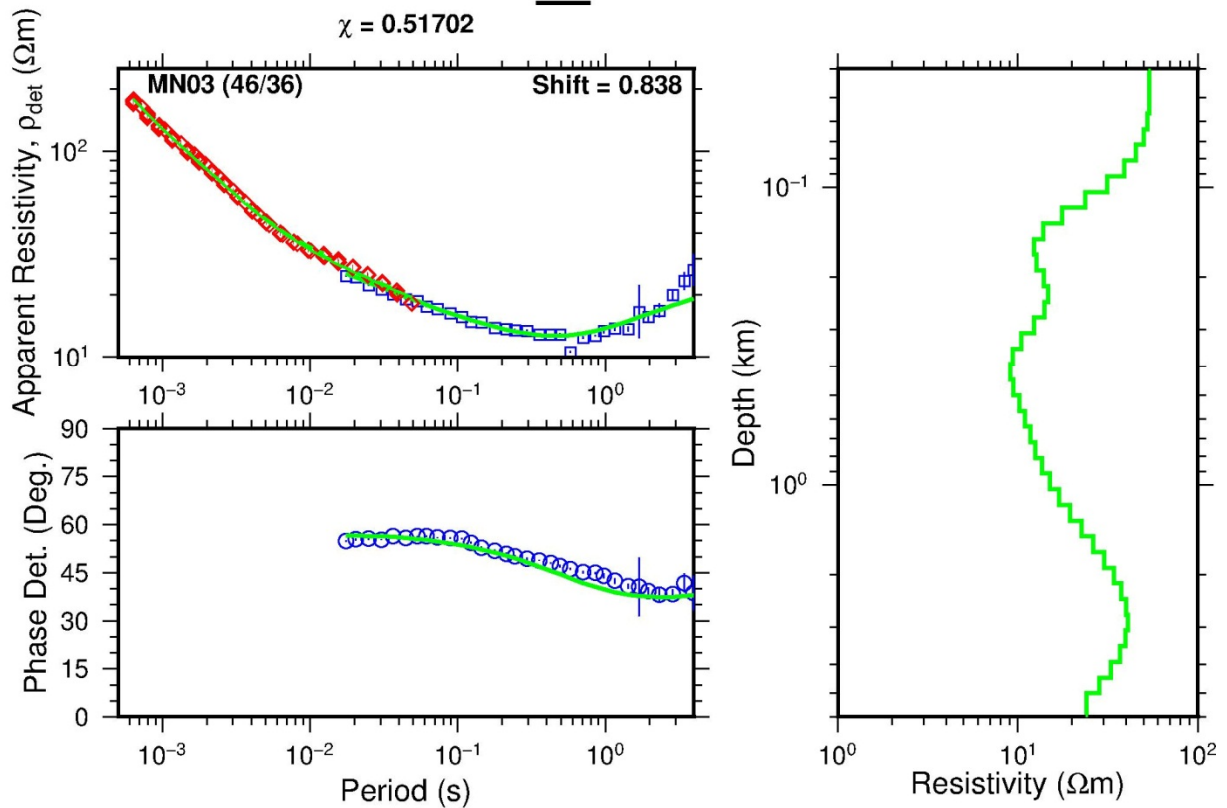
# MNS10\_out

$\chi = 1.6917$



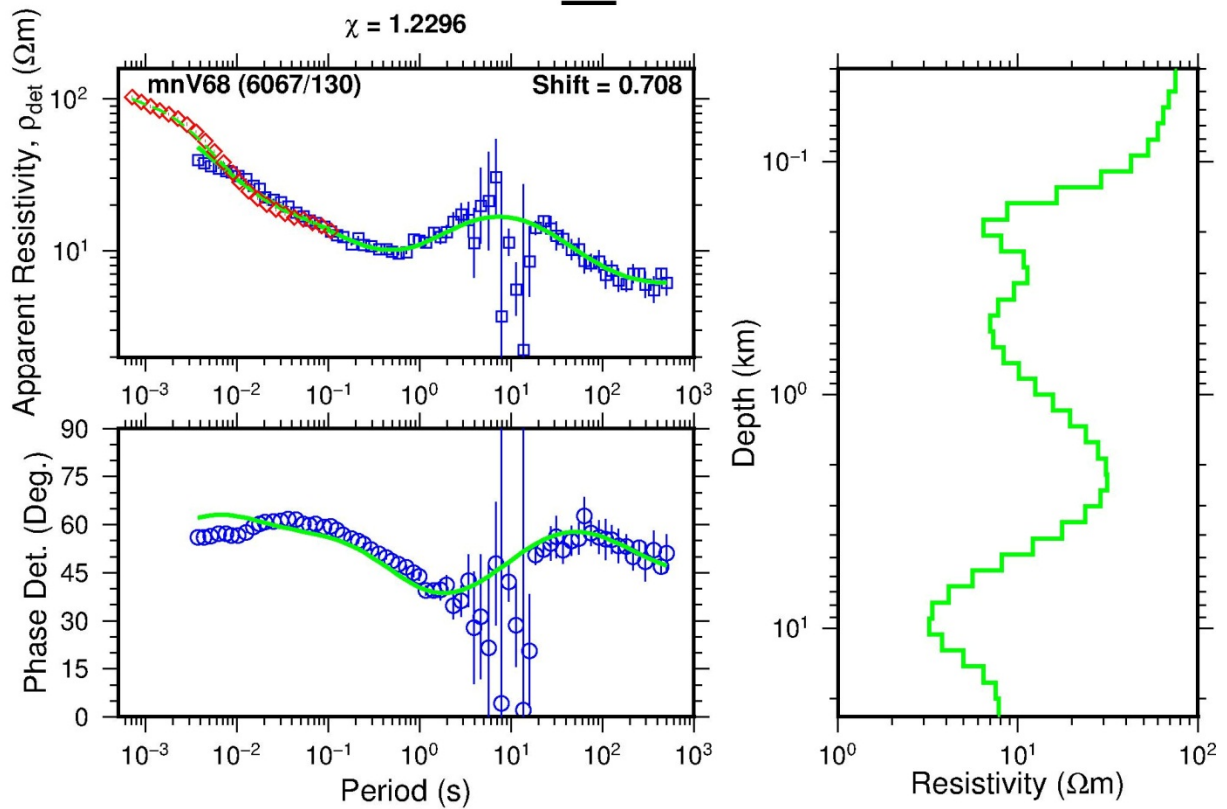
# MNWELL3\_out

$\chi = 0.51702$



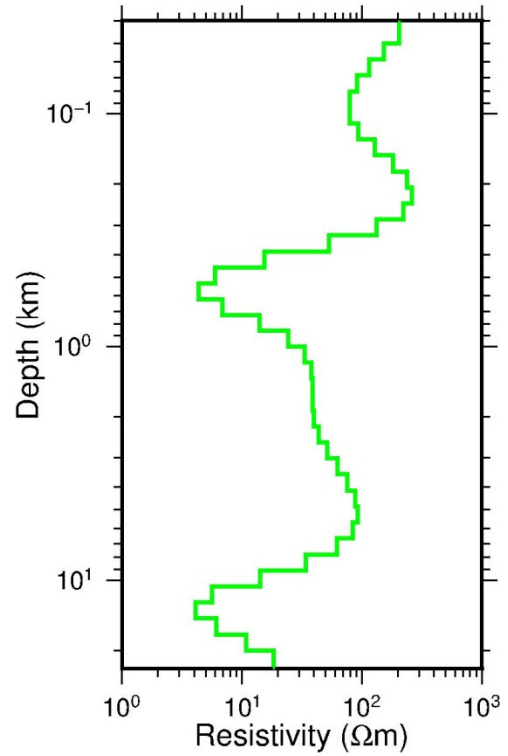
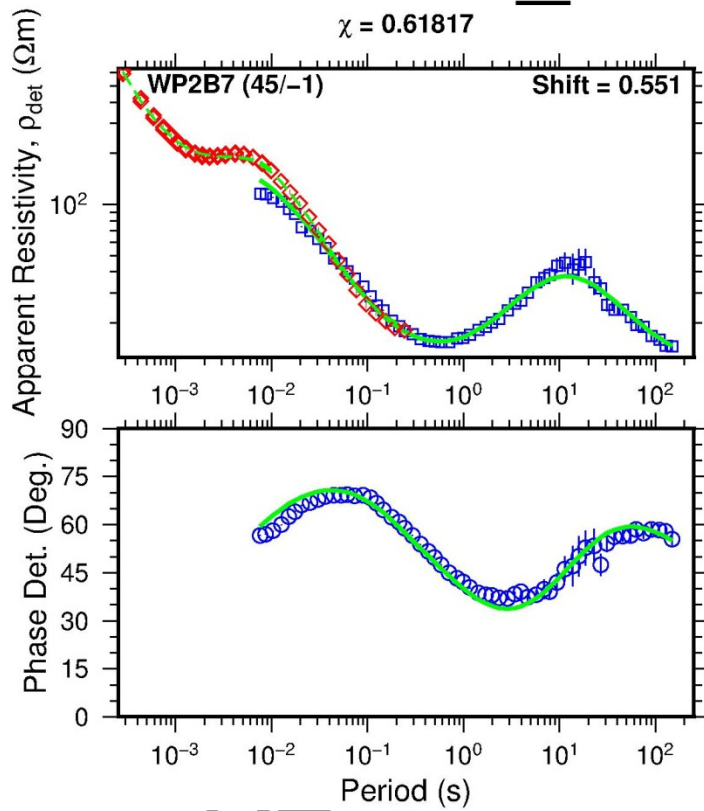
# MNWELL68\_out

$\chi = 1.2296$



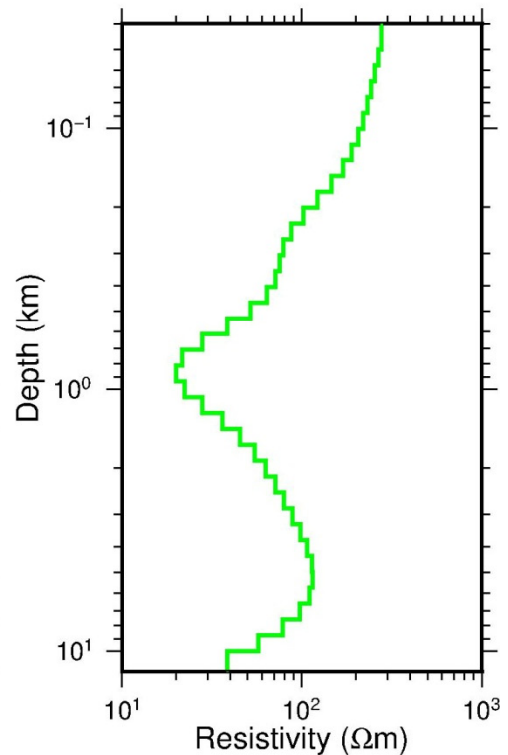
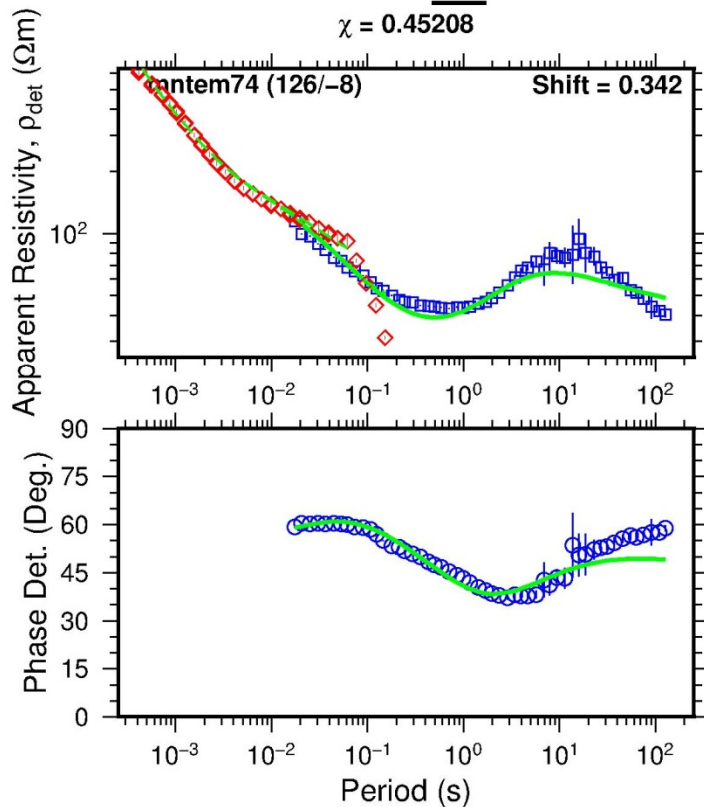
# MNWP2A\_out

$\chi = 0.61817$



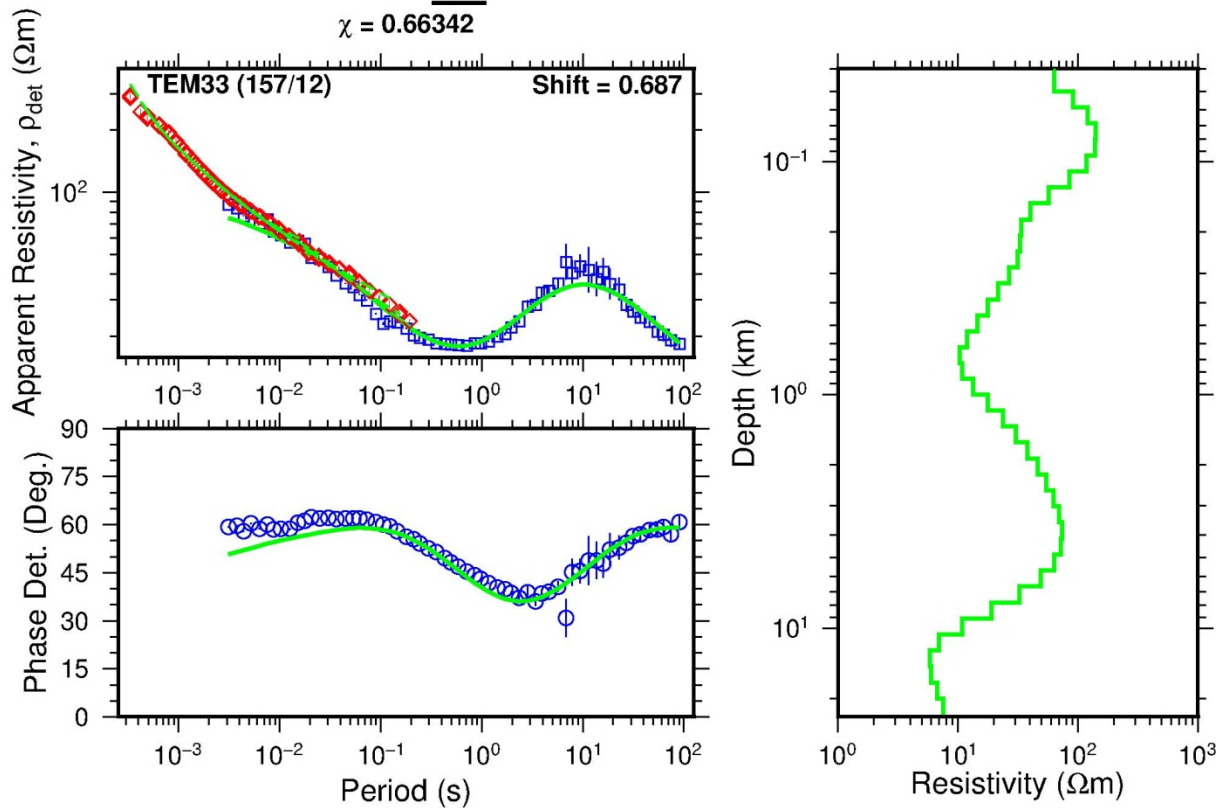
# MT68\_out

$\chi = 0.45208$



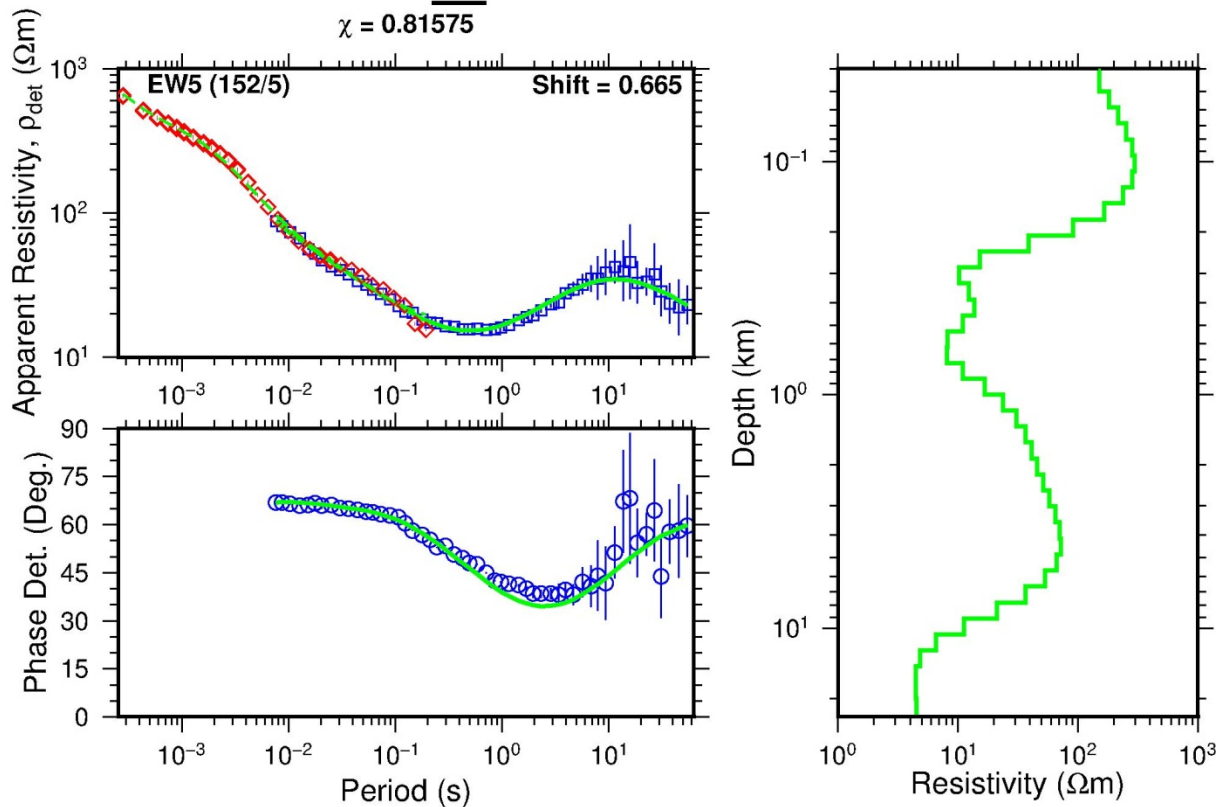
# MT70\_out

$\chi = 0.66342$



# MT71\_out

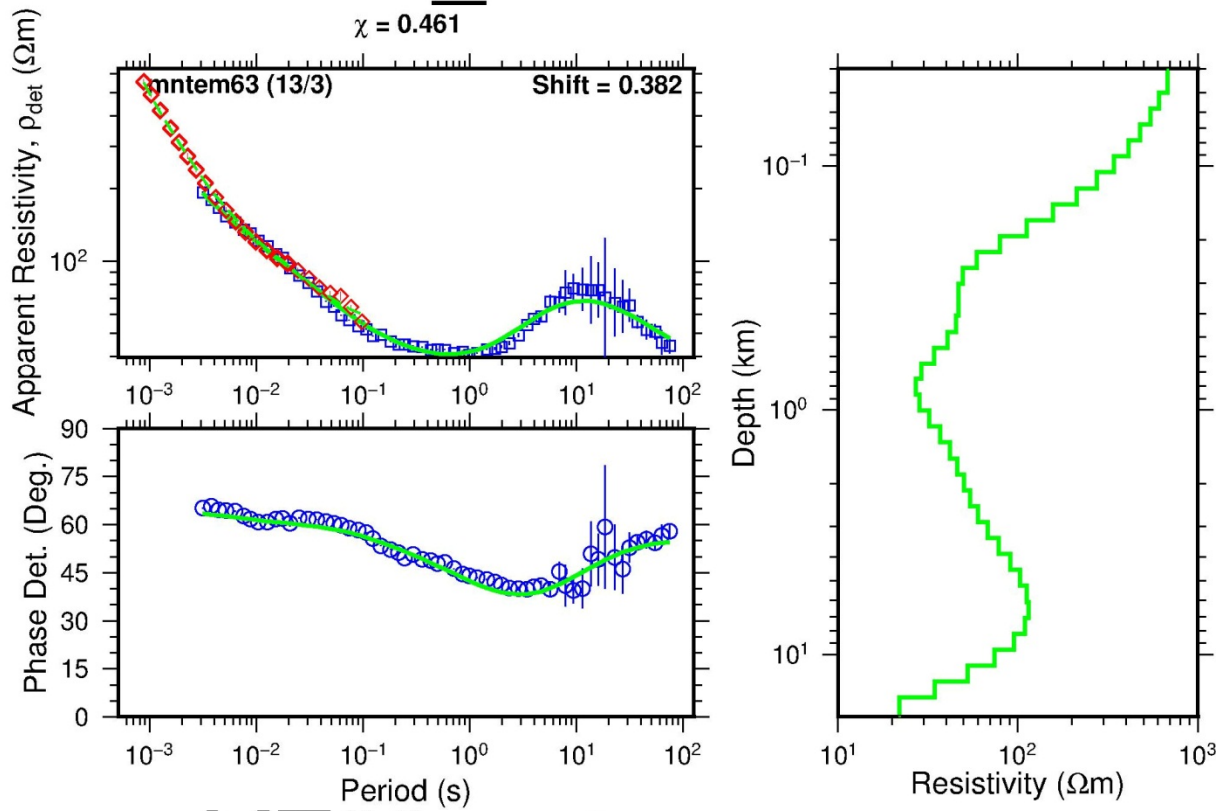
$\chi = 0.81575$





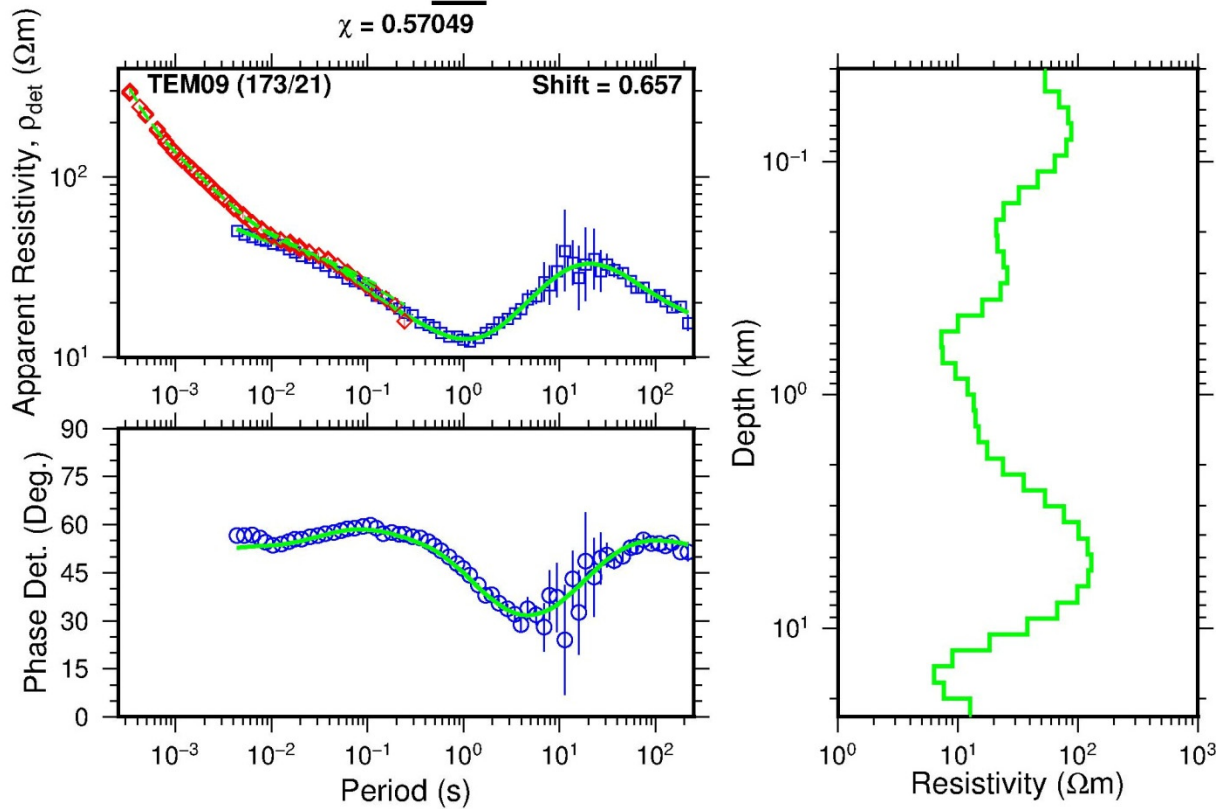
# MT72\_out

$\chi = 0.461$



# MT80\_out

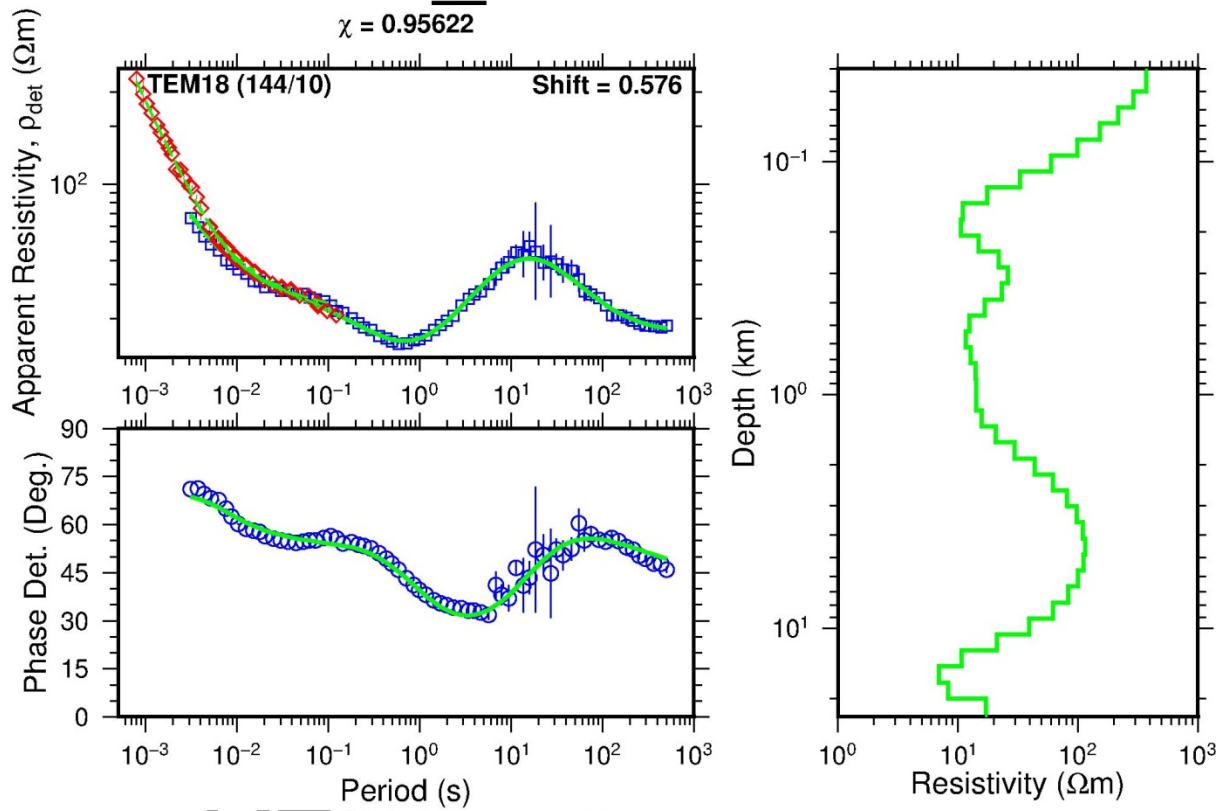
$\chi = 0.57049$





# MT84\_out

$\chi = 0.95622$



# MT85\_out

$\chi = 0.43132$

