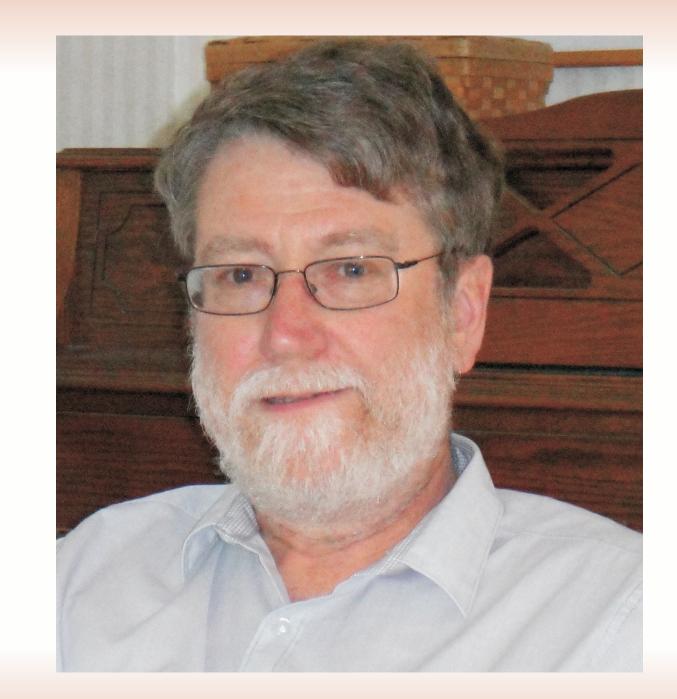


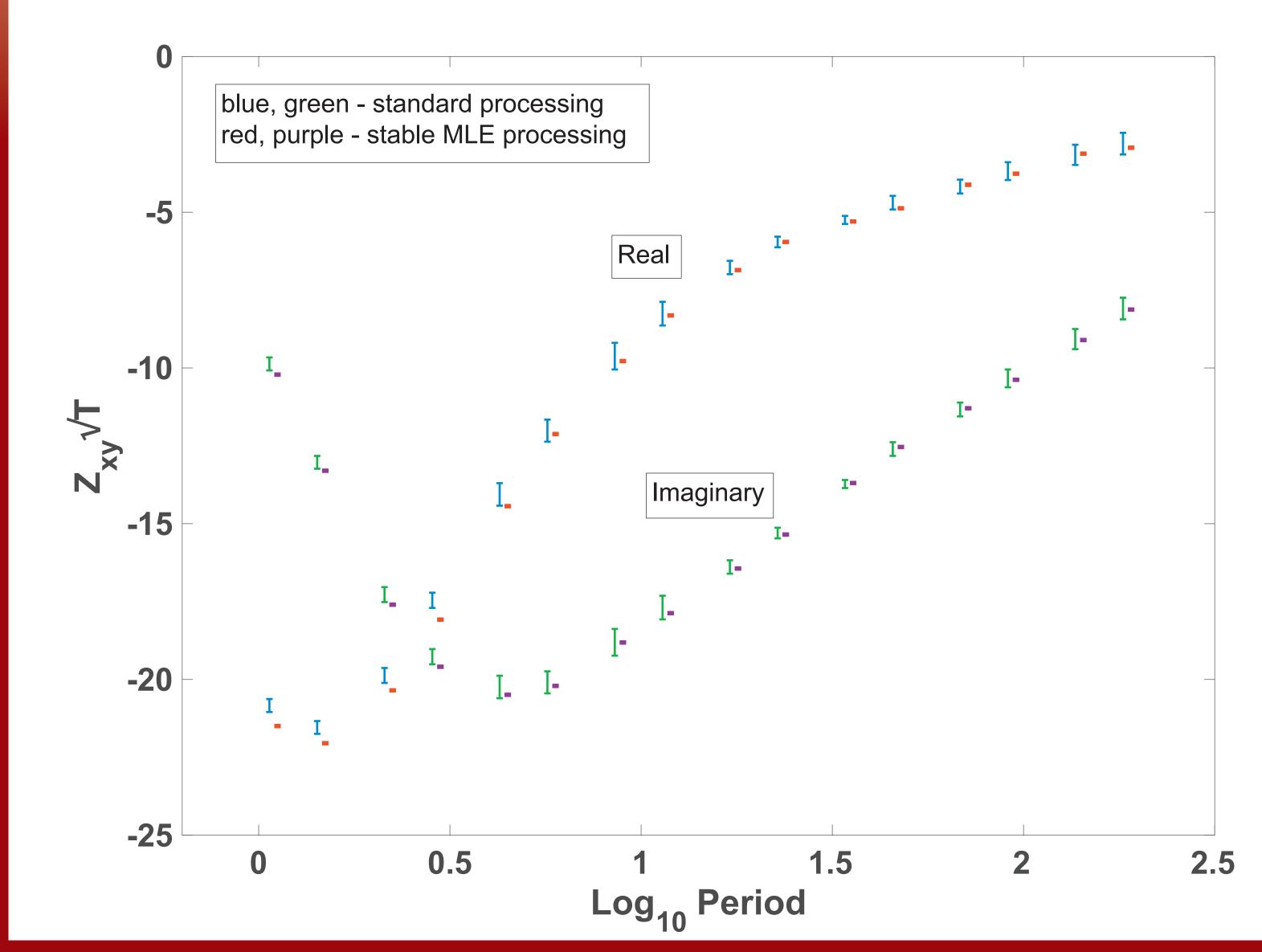
Alan Chave: Director of Processing / Analysis

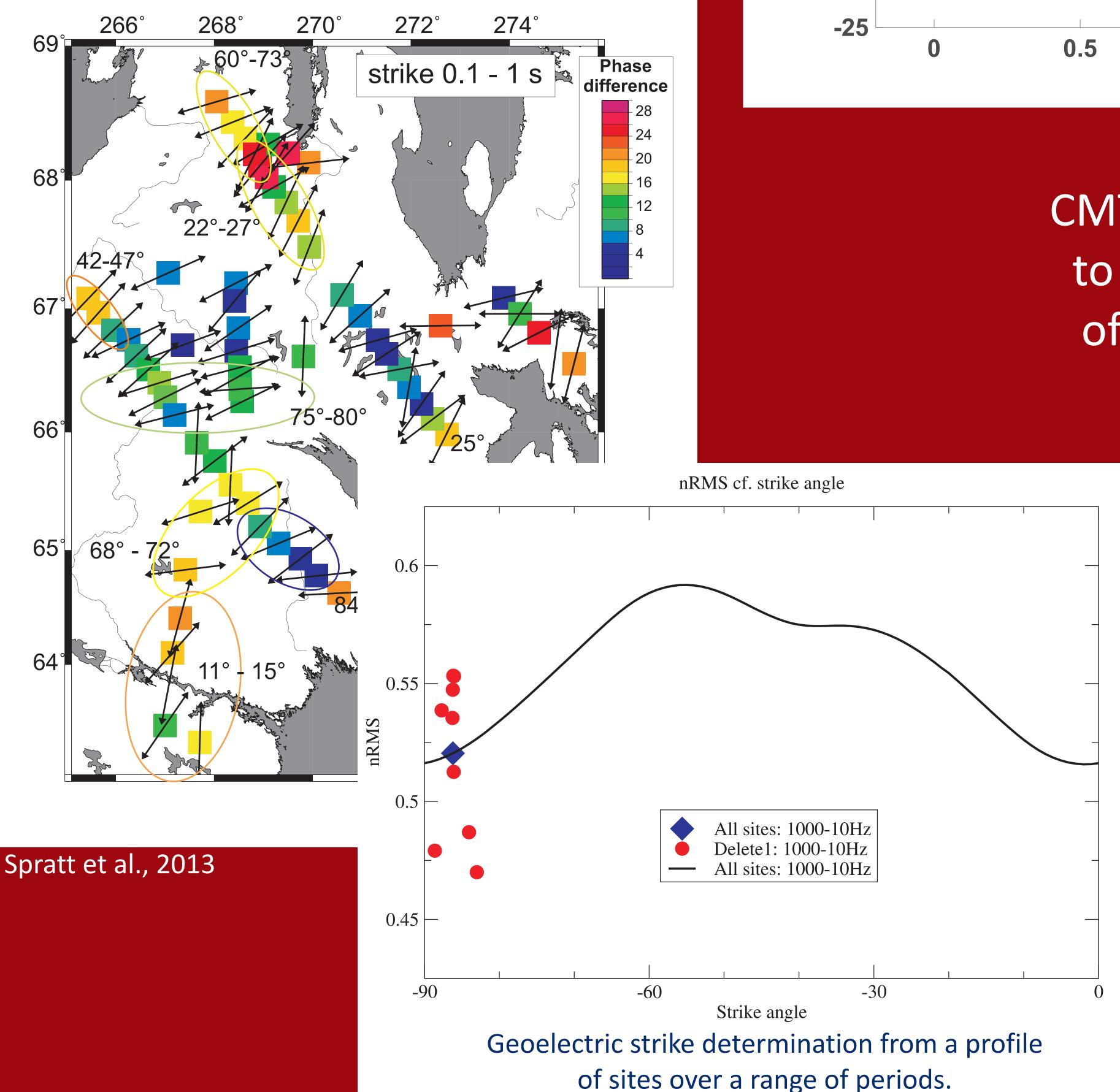


Alan Chave is a Senior Scientist at Woods Hole Oceanographic Institution, and holds the Walter A. and Hope Noyes Smith Chair. He has 40 y of experience in electromagnetic geophysics, has published 122 peer-reviewed papers, is the first author on The Magnetotelluric Method: Theory and Practice, and holds 3 patents. Chave is a Chartered Statistician, and is the author of a forthcoming book entitled Computational Statistics for the Earth Sciences. He introduced robust processing for magnetotelluric data in the 1980s, and has recently developed a new nonlinear maximum likelihood estimator whose performance exceeds earlier methods. Chave also has extensive experience as an expert witness in geophysical patent litigation.

email: alan.chave@complete-mt-solutions.com

CMTS generates superior quality
MT response curves by
implementing advanced
proprietary processing and
analysis tools developed by the
leading experts in this field.

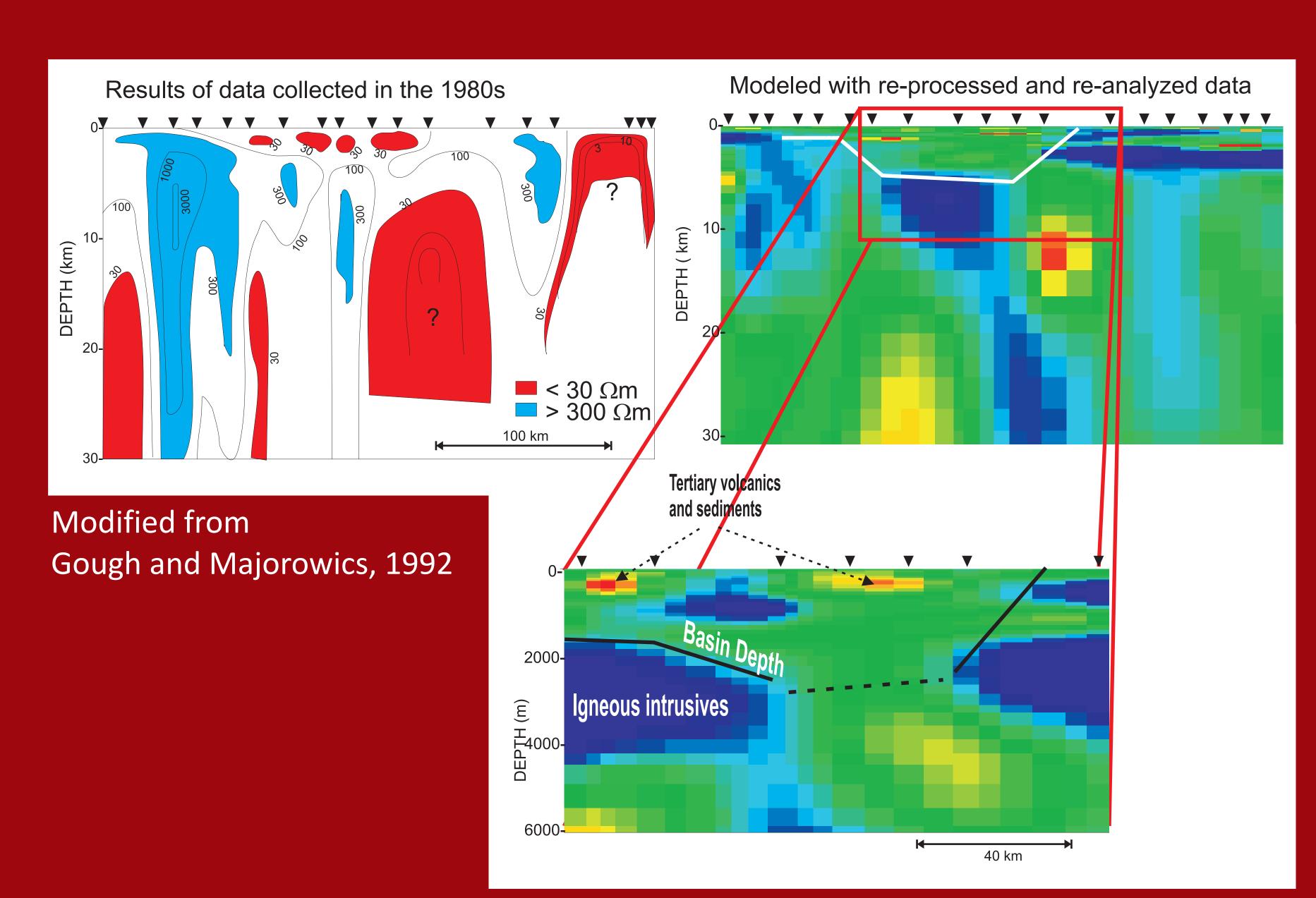




CMTS applies a variety of techniques to assess the quality and reliability of the transfer function estimates including the analysis of:

- Statistical significance and reliability
- Internal consistency
- Galvanic distortion effects
- Dimensionality
- Directionality
- Non-uniform source fields

cMTS can offer cost effective value by re-processing and re-analyzing existing time series data. By re-inverting and interpreting higher quality MT response curves, our state-of-the-art techniques can provide new understanding of an expensively acquired data set.



Spratt et al., 2007

www.complete-mt-solutions.com

REFERENCES

Spratt, J.E., T. Skulski, J.A. Craven, A.G. Jones, D.B. Snyder, and D. Kiyan (2013). Magnetotelluric investigations of the lithosphere beneath the Central Rae Craton, mainland Nunavut; Journal of Geophysical Research, volume 119, issue 3, pg 2415 – 2438, doi: 10.1002/2013JB010221.

Spratt, J.E. Craven, J., Jones, A.G., Ferri, F., and Riddell, J. (2007). Utility of magnetotelluric data in unravelling the stratigraphic-structural framework of the Nechako Basin (NTS 092N; 093C, B, G, H), southe-central British

Columbia, from a re-analysis of 20-year-old data; Geoscience BC Reports, paper 2007-1.
Gough, D.I., and Majorowicz, J.A. (1992). Magnetotelluric soundings, structure, and fluids in the southern Canadian Cordillera; Canadian Journal of Earth Science, v. 29, pg. 609 - 620.