

On recovering induced polarization information from airborne time domain EM data

Seogi Kang, Douglas W. Oldenburg, Dikun Yang, David Marchant, Geophysical Inversion Facility, University of British Columbia*

SUMMARY

XXX

XXX

Seigel (1959) Oldenburg and Li (1994) Wynn and Zonge (1975)
Smith et al. (1988) Marchant et al. (2014) Flis et al. (1989) Pel-
ton et al. (1978) Kang and Oldenburg (2016) Weidelt (1982)

On recovering IP information from ATEM data

REFERENCES

- Flis, M. F., G. A. Newman, and G. W. Hohmann, 1989, Induced polarization effects in time-domain electromagnetic measurements: *Geophysics*, **54**, 514–523.
- Kang, S., and D. W. Oldenburg, 2016, On recovering distributed IP information from inductive source time domain electromagnetic data (in revision): *Geophysical Journal International*.
- Marchant, D., E. Haber, and D. Oldenburg, 2014, Three-dimensional modeling of IP effects in time-domain electromagnetic data: *Geophysics*, **79**, E303–E314.
- Oldenburg, D., and Y. Li, 1994, Inversion of induced polarization data: *Geophysics*, **59**, 1327–1341.
- Pelton, W., S. Ward, P. Hallof, W. Sill, and P. Nelson, 1978, Mineral discrimination and removal of inductive coupling with multifrequency IP: *Geophysics*, **43**, 588–609.
- Seigel, H., 1959, Mathematical formulation and type curves for induced polarization: *Geophysics*, **24**, 547–565.
- Smith, R. S., P. Walker, B. Polzer, and G. F. West, 1988, The time-domain electromagnetic response of polarizable bodies: an approximate convolution algorithm: *Geophysical Prospecting*, **36**, 772–785.
- Weidelt, P., 1982, Response characteristics of coincident loop transient electromagnetic systems: **47**, 1325–1330.
- Wynn, J. C., and K. L. Zonge, 1975, EM coupling, its intrinsic value, its removal and the cultural coupling problem: *Geophysics*, **40**, 831–850.