

The A-component shows negatives near the base of the logged hole (ie at 680 m, not the full drilled depth). These are probably indicative of a real off-hole conductor. Comparison with data and interpretation from hole SHD2, Loop 1, suggests that this off-hole signature is the western edge of Conductor A. Conductor B is located below the maximum logged depth, and is probably not contributing to this anomaly in SHD16.

Examination of U and V components for hole SHD16 is indeterminate; I believe the XY probe used for the survey was probably malfunctioning, as the data is "non-physical" and lacks consistency between components.

Hole SHD12

Loop 3 (collar loop) A-component shows a strong overprint of the primary field profile, and no off-hole conductor can be discerned.

Loop 4 A-component shows a positive anomaly signature consistent with a weak (rapidly decaying) off-hole conductor (Conductor D). The shape is congruent with the primary field profile, and was regarded as questionable without corroboration.

Following my recommendation of 27/4/99, this hole was additionally logged using loop 10. The A-component profile shows a negative anomaly in channels 6-10, which confirms the interpretation available from Loop 4. The off-hole conductor appears to be located order 100 m off-hole, nearest approach 450 m down-hole. Examination of profiles of A and U-components confirms the Conductor D to lie below the hole, extending north and south of the hole, and probably striking order 30 deg west of the normal to the hole-azimuth. This is consistent with a north-south strike for the conductor. (Note that the transmitter and window times are different for the two surveys in this hole, but the difference is not significant – see Appendix B).

The A-component profiles do not contain sufficient length to allow a useful determination of dip of Conductor D, other than to note that it is steeply dipping. It is possible that Conductor D links up-plunge to the north, with Conductor B (intersecting SHD2).

The position of Conductor D needs to be plotted on a geological section (none available at present) before discussing further.

Hole SHD18

This hole was logged with one loop only (Loop 8, around the collar). The data shows a strong primary field overprint, but no anomalies.

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