

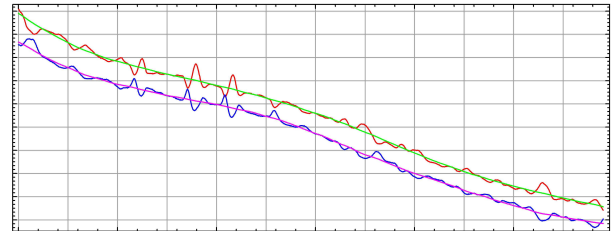
FIXED-WING MAGNETIC, GRAVIMETRIC AND GAMMA-RAY SPECTROMETRIC SURVEYS



NOVATEM only uses proprietary aircrafts. The magnetic signature of NOVATEM's aircrafts has been considerably improved using especially designed titanium or stainless steel parts. The preference is given to fixed-wings flying at low speed, for a higher radiometric and magnetic resolution. Several aircrafts are used at the same time to carry out the survey in the best delays as possible.

NOVATEM uses proprietary navigation, acquisition and compensation software resulting from more than 30 years of practical experience of research and development in airborne geophysical surveying.

NOVATEM uses state-of-the-art DGPS technology for positioning; high performance laser whose precision is better than one centimetre for accurate elevation measurements; and inertial measurements for both positioning and magnetic compensation.



Magnetic compensation of left and right magnetometers for horizontal gradient measurements

Draped measurements are standard for both NOVATEM helicopter and fixed-wing surveys. The navigation software uses pre-calculated heights located all along the profile. The quality of the draping is considerably improved as it is easy to follow by the pilot and thus more secure.

