

## Results of magnetic surveying of locations with burial hills

with the use of Aerotompography technology in Ivanovka village, Sherbinsky district of Altai region, August of 2019



Fig. 1. Downloaded Google map with prospective locations of burial hills

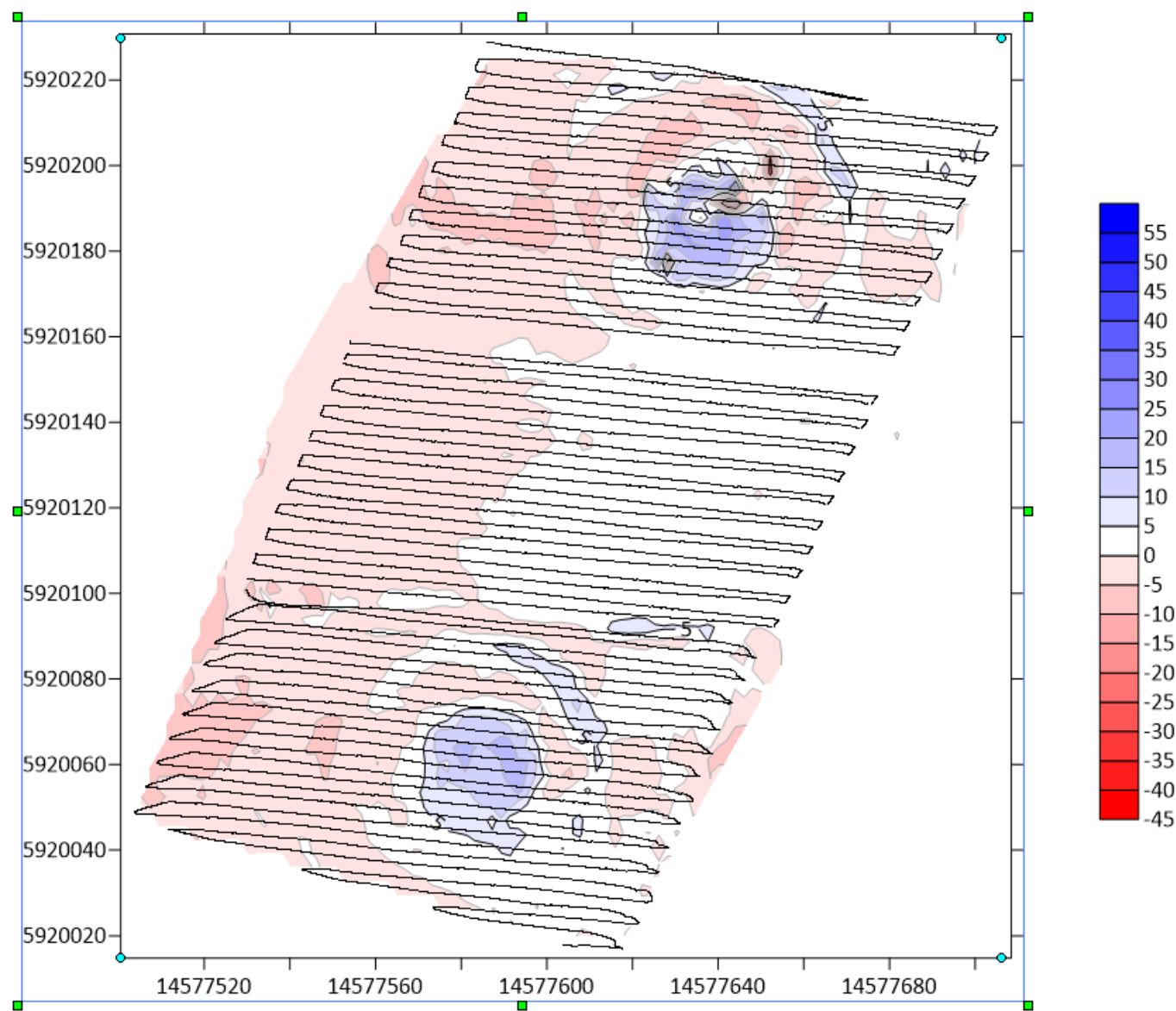


Fig. 2. Magnetometry results with flights profiles geophysical drones

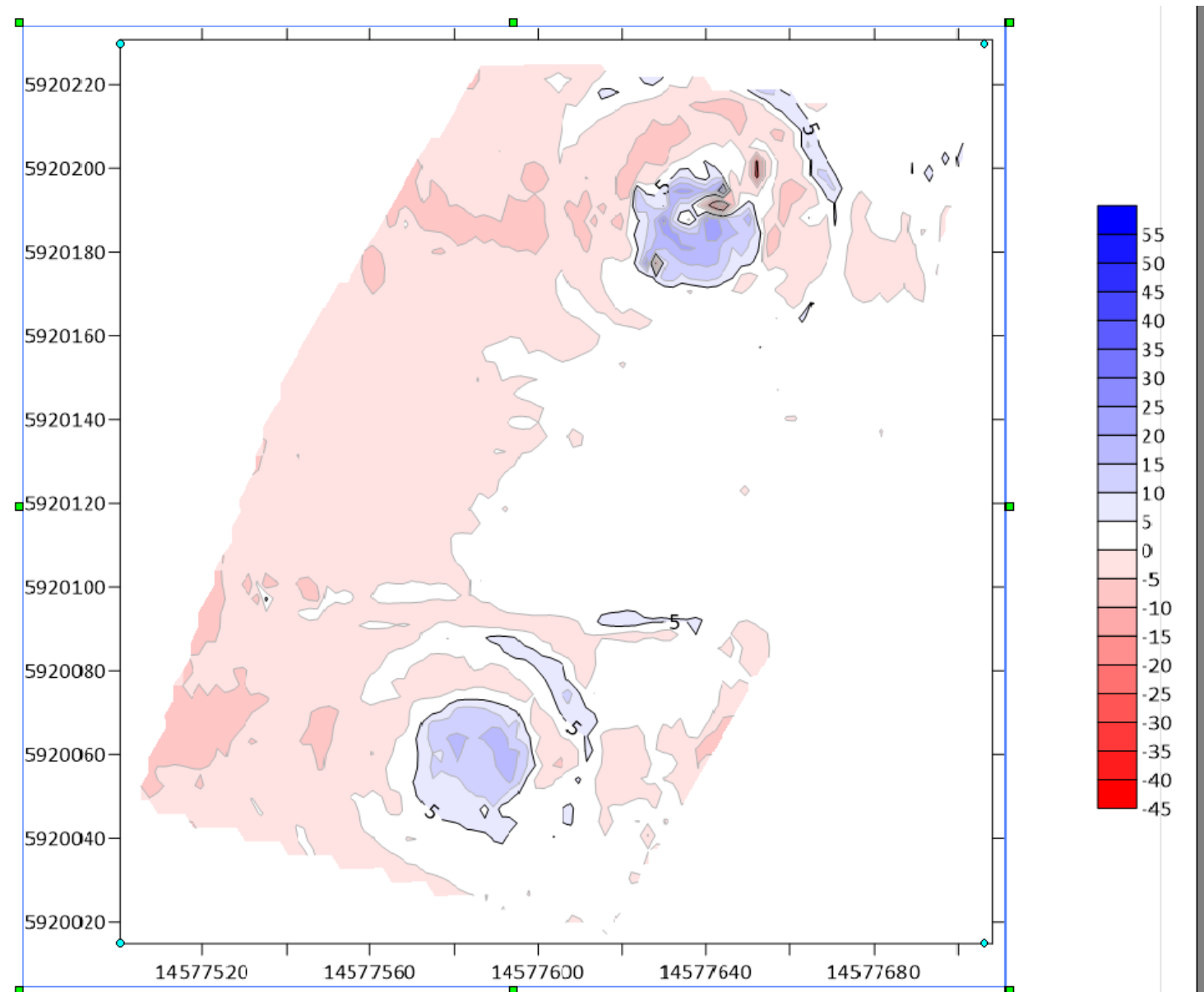


Fig. 3. Results of processing magnetometry data acquired from flights over location along profiles at the altitude of vector magnetometer at 5 m above ground

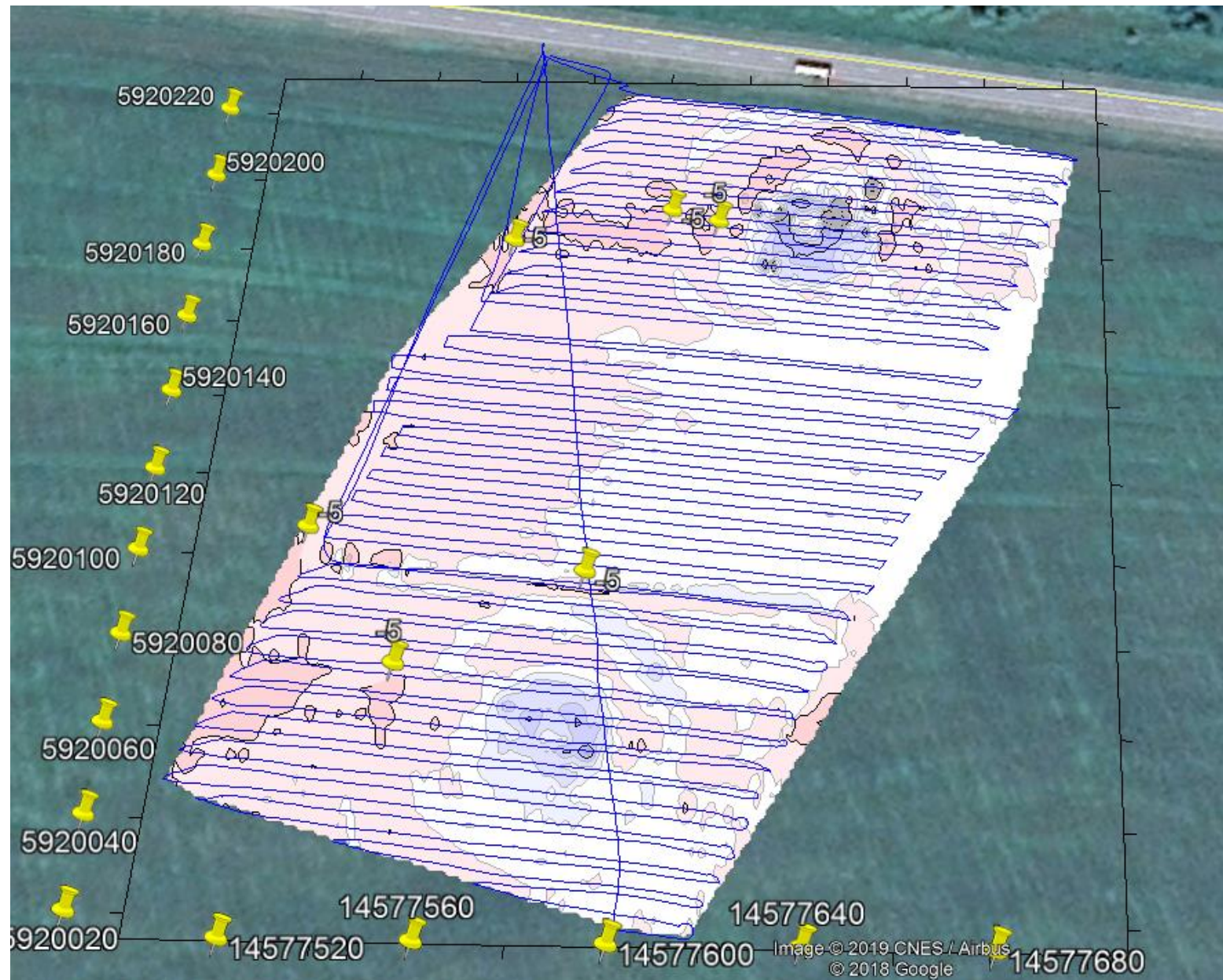


Fig. 4. Profile orientation on Google Maps

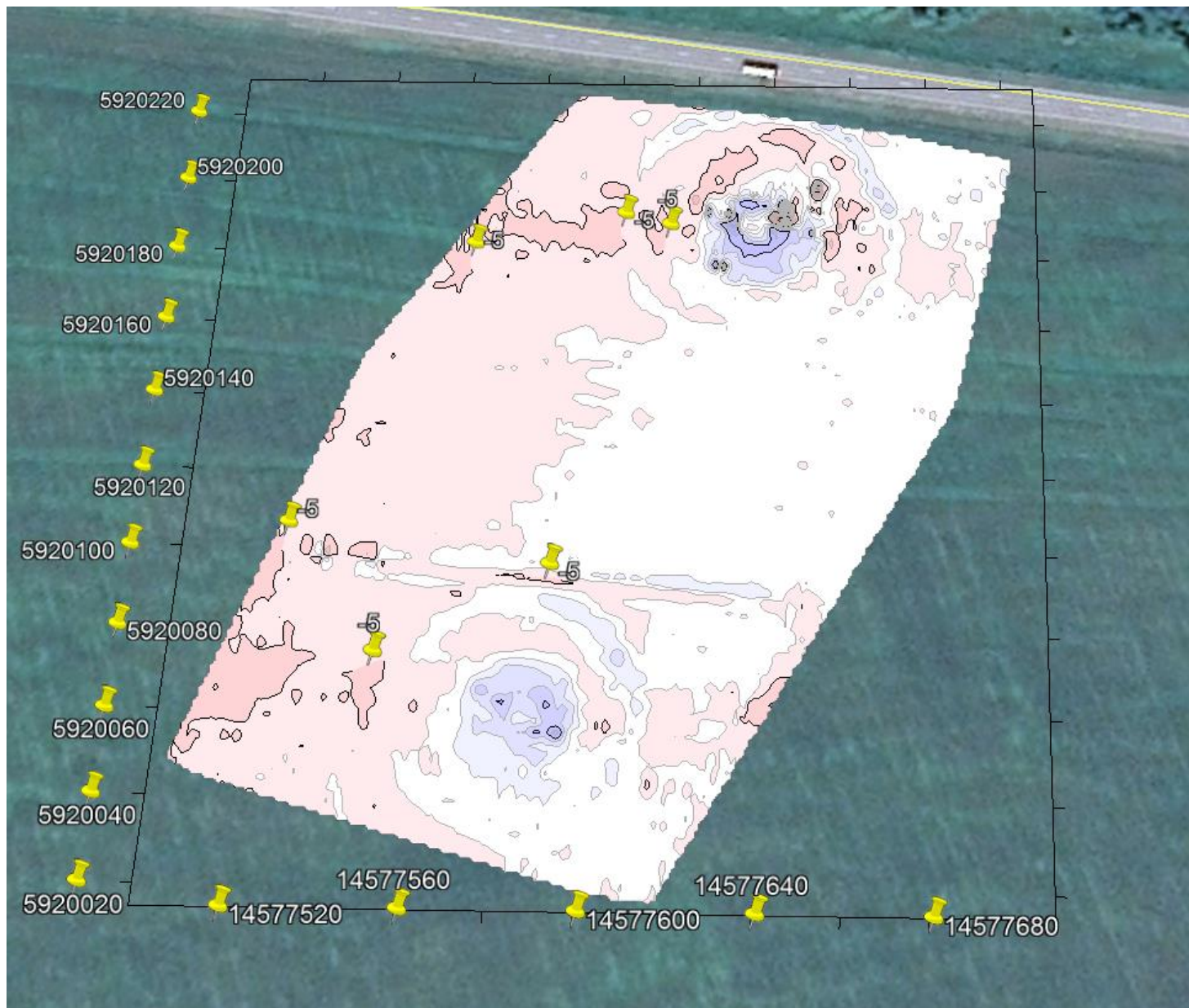


Fig. 5. Results of magnetometry oriented on the map downloaded from the Google Maps

## Summary:

1. Practical results were achieved confirming technical feasibility of Aerotomography technology to locate and identify archeological sites and to characterize them.
2. Apart from burial hills the entrance zones were located near both burial hills. Both entrance zones have the same outline and similar location to the North-East to each burial hills (see Fig.3). These entrance zones are not seen in Google Maps.
3. Besides burial hills the proposed method of Aerotomography can be applied to locating abandoned roads, secret paths, underground tunnels.